

Message

From: Robert S. Lynch [RSLynch@rslynchaty.com]
Sent: 6/17/2016 10:39:17 PM
To: Beauvais, Joel [Beauvais.Joel@epa.gov]; Jennifer_Gimbel@ios.doi.gov; Eignor, Diana [Eignor.Diana@epa.gov]; jgkenneth@usgs.gov; Sue Kelly [SKelly@publicpower.org]; Patterson, Delia [dpatterson@publicpower.org]; Waterhouse, Desmarie [dwaterhouse@publicpower.org]; Toth, Cory [ctoath@publicpower.org]; Bob Johnson [bjohnson@nwra.org]; Ian Lyle NWRA [ilyle@nwra.org]; Mark Pifher [mpifher@csu.org]; Dan Keppen [dankeppen@charter.net]; 'Silberstein, Pam M.' [pamela.silberstein@nreca.coop]; 'Serote, Ryan S.' [Ryan.Serote@nreca.coop]; Linda Church Cioffi (linda@hydro.org) [linda@hydro.org]; Jeff Leahey [jeff@hydro.org]; Leslie James [creda@creda.cc]; nick_matiella@mccain.senate.gov; mark_delich@mccain.senate.gov; Podolak, Chuck (Flake) [Chuck_Podolak@flake.senate.gov]; ken.montoya@mail.house.gov; Roth, Justin [Justin.Roth@mail.house.gov]; Glenn Miller [Glenn.Miller@mail.house.gov]; Small, Jeff [Jeff.Small@mail.house.gov]; Greg Safsten [Greg.Safsten@mail.house.gov]; jonathan.sarager@mail.house.gov; Beau Brunson [beau.brunson@mail.house.gov]; Kelly Roberson [kelly.roberson@mail.house.gov]; david.montes@mail.house.gov; bobby.cornett@mail.house.gov; michael.wong@mail.house.gov; hmoore@az.gov; Joe Albo [jalbo@powerauthority.org]; tbuschatzke@azwater.gov
CC: Robert S. Lynch [RSLynch@rslynchaty.com]; Todd Dillard [Todd@rslynchaty.com]
Subject: IEDA Comments on Draft EPA-USGS Technical Report: Protecting Aquatic Life From Effects of Hydrologic Alteration, 81 Fed.Reg. 10620 (March 1, 2006), 81 Fed.Reg. 21863 (April 13, 2016)
Attachments: EPA-USGS Technical Report comment letter 061716.pdf

The attached comment letter from the Irrigation & Electrical Districts' Association of Arizona was filed at www.regulations.gov today.

Robert S. Lynch
Robert S. Lynch & Associates
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IRRIGATION & ELECTRICAL DISTRICTS ASSOCIATION OF ARIZONA

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WILLIAM H. STACY
SECRETARY-TREASURER

ROBERT S. LYNCH
COUNSEL AND
ASSISTANT SECRETARY-TREASURER

June 17, 2016

Comments submitted to the Federal eRulemaking Portal: <http://www.regulations.gov>
Attn: Docket ID No. EPA-HQ-OW-2015-0335

Mr. Joel Beauvais
Deputy Assistant Administrator
U.S. Environmental Protection Agency, Office of Water
1200 Pennsylvania Ave., N.W., Mail Code 4101M
Washington, DC 20460
Email: Beauvais.Joel@epa.gov

Ms. Jennifer Gimbel
Principal Deputy Assistant Secretary, Water and Science
U.S. Department of the Interior
1849 C Street, NW
Washington, DC 20240
Email: Jennifer_gimbel@ios.doi.gov

Ms. Diana M. Eignor
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1200 Pennsylvania Ave., N.W., Mail Code 4304T
Washington, DC 20460
Email: Eignor.Diana@epa.gov

Mr. Jonathan G. Kennen
U.S. Geological Survey
New Jersey Water Science Center
3450 Princeton Pike, Suite 110
Lawrenceville, NJ 08648
Email: jgkenn@usgs.gov

Re: Draft EPA-USGS Technical Report: Protecting Aquatic Life From Effects of Hydrologic
Alteration, 81 Fed.Reg. 10620 (March 1, 2006), 81 Fed.Reg. 21863 (April 13, 2016)

Ladies and Gentlemen:

The Irrigation & Electrical Districts Association of Arizona (IEDA) wishes to thank the agencies for extending the comment period on this significant Draft Study. Our Association was not aware of the original offer to comment and has only recently been involved in a dialogue with other entities on this important subject. Thus, the extended comment period has been most helpful and, we imagine, helpful to the agencies in drawing expanded views from interested parties.

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IEDA is an Arizona nonprofit association whose 25 members and associate members provide electricity and water to municipal, industrial and agricultural consumers. As such, our members and associate members impact nearly half of the electric consuming public in Arizona and more than 60% of the water consuming public in Arizona including over half the irrigated agriculture presently under cultivation. Thus, any study that analyzes water flows in watercourses and impacts from different management constructs for that resource is a matter of great importance to them.

At the outset, we wish you to know that we have reviewed the comments of the American Public Power Association, the National Water Resources Association and the Family Farm Alliance and wish to indicate our support for those comments. Please consider them as incorporated by reference in these comments even though, mercifully, not restated herein.

It is impossible to study the effects of water flow on aquatic habitat without considering hydropower dams and water release strategies that are used with hydropower for providing electric service in the United States. We note that hydropower is included in your discussion of dams and impoundments (§ 4.3.1) and diversions (§ 4.3.2). We would not expect a study of this nature to acknowledge the considerable tradeoffs that occur when considering aquatic habitat against resource function for other purposes. However, we were surprised that the concept of dealing with aquatic habitat in the context of other public policy considerations was not even mentioned. Indeed, the discussion (pp. 20-24) seems devoid of any consideration other than impacts on aquatic habitat. Even then, the discussion is overly limited because it does not recognize the variability of results in different ecosystems from using such strategies and about which much has been written.

We were also surprised to see a discussion of the use of Sections 401, 402 and 404 of the Clean Water Act as strategies for directing flows in watercourses. The discussion (pp. 56-64) moves this document away from its label as a technical report to that of a policy paper. Adding the policy element diminishes the technical and scientific value of the document just as technical discussions occupy room that could otherwise be devoted to policy in a discussion that needs a great deal more vetting than this document provides.

Finally, we were amazed that the agencies felt the need to include a dissertation, albeit short, noted as “Legal Background and Relevant Case Law.” We cannot remember the last time we reviewed a technical paper that brought with it a miniature court brief.

Treating this discussion (pp. 135-137) as a miniature court brief, we can certainly understand its one-sided nature and attempt to justify the previous discussion about using the relevant statutes in the Clean Water Act to force changes in river regimen.

However, having had some background in litigation and understanding that your discussion is intended to be persuasive and not objective, we thought it best to call your attention to some subsequent case law that may give you pause in asserting the statutory authorities you believe can reregulate the nation’s rivers. Specifically, we call your attention to a State of California case, *Karuk Tribe of Northern California v. California Regional Water Quality Control Board*, North Coast Region, 108 Cal. Rptr. 3d 40, a 2010 case, that provides an excellent comparison of the three Supreme Court cases and other law that your short brief mentions and clearly shows the limitations on the ability of states under Section 401 to take over control of water facilities licensed by the federal government. Additionally, authority to use the Clean Water Act outside the purview of the Federal Power Act can also be problematic. We note for your review the decision in *Oregon Natural Desert Ass’n. v. U.S. Forest Service*, 550 F.3d 778 (9th Cir. 2008). In sum, subsequent

decisions have not provided the carte blanche to Clean Water Act initiatives that the Draft Report's short dissertation on legal issues implies can be exercised. We doubt that you would want to expand this discussion to include more objective thoughts. Perhaps the best solution is to delete it in its entirety.

Thank you for the opportunity to comment on this interesting Draft Study.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. Lynch', with a stylized, cursive flourish at the end.

Robert S. Lynch
Counsel and Assistant Secretary/Treasurer

RSL:psr

cc: American Public Power Association
National Water Resources Association
Family Farm Alliance
National Rural Electric Cooperative Association
National Hydropower Association
Colorado River Energy Distributors' Association
Arizona Congressional Delegation
Hon. Doug Ducey, Governor of Arizona
Joe Albo, Chair, Arizona Power Authority Commission
Tom Buschatzke, Director, Arizona Department of Water Resources
IEDA Presidents/Chairmen and Managers

Message

From: Gorke, Roger [Gorke.Roger@epa.gov]
Sent: 7/12/2016 9:22:20 PM
To: Wiedeman, Allison [Wiedeman.Allison@epa.gov]; Frithsen, Jeff [Frithsen.Jeff@epa.gov]; Leutner, Fred [Leutner.Fred@epa.gov]; Soscia, Marylou [Soscia.Marylou@epa.gov]; Wendelowski, Karyn [wendelowski.karyn@epa.gov]; Wehling, Carrie [Wehling.Carrie@epa.gov]; Syed, Sharmin [Syed.Sharmin@epa.gov]; Flannery-Keith, Erin [Flannery-Keith.Erin@epa.gov]; Behl, Betsy [Behl.Betsy@epa.gov]
CC: Frazer, Brian [Frazer.Brian@epa.gov]; Nagle, Deborah [Nagle.Deborah@epa.gov]; Gilinsky, Ellen [Gilinsky.Ellen@epa.gov]; Pat Lambert (patlambert@wswc.utah.gov) [patlambert@wswc.utah.gov]; Chumble, Prasad [Chumble.Prasad@epa.gov]
Subject: RE: WSWC Briefing Materials for Bismarck, North Dakota Meetings - July 13-15, 2016
Attachments: Agenda-Water-Quality-Committee-NDJuly2016.final.doc

Allison, et.al.,

Attached is the Water Quality Agenda. We expect that the EPA issues would start about 2 pm, CDT, so you can plan your attendance.

Thanks and let me know if there are any questions,

Roger

Roger Gorke
Senior Policy Advisor
Office of Water/Region 9 – Southern California Field Office
U.S. Environmental Protection Agency
213-244-1853
gorke.roger@epa.gov

From: Wiedeman, Allison
Sent: Tuesday, July 12, 2016 12:45 PM
To: Gorke, Roger <Gorke.Roger@epa.gov>; Frithsen, Jeff <Frithsen.Jeff@epa.gov>; Leutner, Fred <Leutner.Fred@epa.gov>; Soscia, Marylou <Soscia.Marylou@epa.gov>; Wendelowski, Karyn <wendelowski.karyn@epa.gov>; Wehling, Carrie <Wehling.Carrie@epa.gov>; Syed, Sharmin <Syed.Sharmin@epa.gov>; Flannery-Keith, Erin <Flannery-Keith.Erin@epa.gov>; Behl, Betsy <Behl.Betsy@epa.gov>
Cc: Frazer, Brian <Frazer.Brian@epa.gov>; Nagle, Deborah <Nagle.Deborah@epa.gov>; Gilinsky, Ellen <Gilinsky.Ellen@epa.gov>; Pat Lambert (patlambert@wswc.utah.gov) <patlambert@wswc.utah.gov>; Chumble, Prasad <Chumble.Prasad@epa.gov>
Subject: RE: WSWC Briefing Materials for Bismarck, North Dakota Meetings - July 13-15, 2016

Roger - will you please tell us where on the agenda (which I can't find) the forest roads discussion would be?

Allison Wiedeman
U.S. Environmental Protection Agency
Chief, Rural Branch
Water Permits, Office of Water
Rm 7146 EPA East
Washington, D.C. 20460
202 564 0901

From: Gorke, Roger
Sent: Tuesday, July 12, 2016 3:06 PM

To: Frithsen, Jeff <Frithsen.Jeff@epa.gov>; Leutner, Fred <Leutner.Fred@epa.gov>; Soscia, Marylou <Soscia.Marylou@epa.gov>; Wendelowski, Karyn <wendelowski.karyn@epa.gov>; Wehling, Carrie <Wehling.Carrie@epa.gov>; Wiedeman, Allison <Wiedeman.Allison@epa.gov>; Syed, Sharmin <Syed.Sharmin@epa.gov>; Flannery-Keith, Erin <Flannery-Keith.Erin@epa.gov>; Behl, Betsy <Behl.Betsy@epa.gov>
Cc: Frazer, Brian <Frazer.Brian@epa.gov>; Nagle, Deborah <Nagle.Deborah@epa.gov>; Gilinsky, Ellen <Gilinsky.Ellen@epa.gov>; Pat Lambert (patlambert@swsc.utah.gov) <patlambert@swsc.utah.gov>
Subject: FW: WSWC Briefing Materials for Bismarck, North Dakota Meetings - July 13-15, 2016

All,

First, the WSWC Water Quality Meeting is 1:15 pm CENTRAL Daylight Time (CDT). I had mistakenly told folks Bismarck, ND is MDT. I apologize for my lack of geography knowledge.

Second, attached is the call in and Webinar instructions. If you have a presentation (not required), there are two options. You can be given access through the webinar to share your screen and run the presentation or let Pat do it from his computer in the room. Regardless, it is best if you send him your presentation as a backup, if you have one.

Finally, let me know if you have any questions or problems with the time.

Thanks,

Roger

Roger Gorke
Senior Policy Advisor
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From: Pat Lambert [<mailto:patlambert@swsc.utah.gov>]

Sent: Friday, July 08, 2016 1:46 PM

To: Andrew Hautzinger <Andrew.Hautzinger@fws.gov>; Becky Fulkerson <rfulkerson@usbr.gov>; Benevides, Ada <ada.benavides@usace.army.mil>; Bill Hansen <bill_hansen@nps.gov>; Boyd, Robert <rboyd@blm.gov>; Bradley Doorn <bradley.doorn@nasa.gov>; craig.zamuda@hq.doe.gov; Dionne E Thompson <DEThompson@usbr.gov>; Ed Harvey <forrest_harvey@nps.gov>; Ellsworth, Alan <alan_ellsworth@nps.gov>; Forrest Melton <Forrest.S.Melton@nasa.gov>; Jean Thomas <jathomas02@fs.fed.us>; John D'Antonio <John.R.D'Antonio@usace.army.mil>; Kevin Werner <kevin.werner@noaa.gov>; Kodack, Marc D CIV USARMY HQDA ASA-IEE (US) <marc.d.kodack.civ@mail.mil>; Lauren Dempsey <lauren.dempsey@us.af.mil>; Michael Strobel <michael.strobel@por.usda.gov>; Patrick Lambert <patlambert@swsc.utah.gov>; Gorke, Roger <Gorke.Roger@epa.gov>; Roger Pulwarty <Roger.Pulwarty@noaa.gov>; Ronold McCormick <rmccormi@blm.gov>; Sonya Jones <sajones@usgs.gov>; Theresa Alexander <talexander@blm.gov>
Subject: Fwd: WSWC Briefing Materials for Bismarck, North Dakota Meetings - July 13-15, 2016

WSWC call in info is attached. Updated agendas can be found on the [WSWC webpage](#). - Pat L.

----- Forwarded message -----

From: Tony Willardson <twillardson@swsc.utah.gov>

Date: Thu, Jul 7, 2016 at 3:18 PM

Subject: WSWC Briefing Materials for Bismarck, North Dakota Meetings - July 13-15, 2016

To: Alan Reichman <alanr@atg.wa.gov>, Alice Edwards <alice.edwards@alaska.gov>, Amy Haas <Amy.Haas@state.nm.us>, Andrea Travnicek <atravnicek@nd.gov>, Barbara Allen <barbaraallen@utah.gov>, Barry Burnell <barry.burnell@deq.idaho.gov>, Bech Bruun <bech.bruun@twdb.texas.gov>, Betty Olson <bholson@uci.edu>, Bidtah Becker <bidtahnbecker@navajo-nsn.gov>, Brenda Poulsen <[ED_002495A_00002204-00002](mailto:bpoulsen@rex-</p></div><div data-bbox=)

law.com>, Brent Goodrum <brent.goodrum@alaska.gov>, Buck Smith <JSMI461@ecy.wa.gov>, Burke Griggs <burke.griggs@ag.ks.gov>, Cheryl Redding <credding@wswc.utah.gov>, Chris Beightel <chris.beightel@kda.ks.gov>, Chris Brown <chris.brown@wyo.gov>, Christian Schmidt <cschmidt2@mt.gov>, Cindy Lane <cindyl@smwd.com>, Cindy Smith <cindy.s.smith@state.or.us>, Colleen Lane <ccklane@azwater.gov>, Craig Estes <craig.estes@senate.state.tx.us>, Cristina Tejada <cristina.tejada@tceq.texas.gov>, Cynthia Chandley <cchandley@swlaw.com>, Dallin Jensen <djensen@parsonsbehle.com>, David Barfield <david.barfield@kda.ks.gov>, David Emme <demme@ndep.nv.gov>, David Glatt <dglatt@nd.gov>, David Schade <david.w.schade@alaska.gov>, Dick Wolfe <dick.wolfe@state.co.us>, Earl Lewis <earl.lewis@kwo.ks.gov>, Eileen Grevey Hillson <ehillson@swcp.com>, Einav Henenson <ehenenson@azwater.gov>, Eric Millis <ericmillis@utah.gov>, "Garland G. Erbele" <gerbele@nd.gov>, Gary Spackman <gary.spackman@idwr.idaho.gov>, George Mathieus <gemathieus@mt.gov>, Ginny Brannon <ginny.brannon@state.co.us>, Greg Ridgley <greg.ridgley@state.nm.us>, Hal Simpson **Personal Email / Ex. 6** Harry LaBonde <harry.labonde@wyo.gov>, "J.D. Strong" <jdstrong@owrb.ok.gov>, James Eklund <james eklund@state.co.us>, James Macy <jim.macy@nebraska.gov>, Jason King <jking@water.nv.gov>, Jay Weiner <jweiner2@mt.gov>, Jeanine Jones <jeanine.jones@water.ca.gov>, Jeanne Goodman <jeanne.goodman@state.sd.us>, Jeff Fassett <jeff.fassett@nebraska.gov>, Jennifer Verleger <jverleger@nd.gov>, Jennifer Wigal <wigal.jennifer@deq.state.or.us>, Jerry Rigby <jrigby@rex-law.com>, Jess Byrne <jess.byrne@deq.idaho.gov>, Jim Rizk <jim.rizk@tceq.texas.gov>, John Simpson <jks@idahowaters.com>, John Stulp <john.stulp@state.co.us>, John Tippetts <John.Tippetts@deq.idaho.gov>, John Tubbs <jtubbs@mt.gov>, John Utton <john@uttonkery.com>, Jon Niermann <jon.niermann@tceq.texas.gov>, Julie Groat <jgroat@wswc.utah.gov>, Karen Hunter <karen.hunter@kda.ks.gov>, Kent Woodmansey <kent.woodmansey@state.sd.us>, Kevin Frederick <kevin.frederick@wyo.gov>, Kristina Eckhart <kristina.eckhart@state.nm.us>, Leo Drozdoff <ldrozdoff@dcnr.nv.gov>, Lucille Quintana <lucille.v.quintana@state.nm.us>, Maia Bellon <maib461@ecy.wa.gov>, Mandi Maser <mandi.maser@nebraska.gov>, Maria O'Brien <mobrien@modrall.com>, Mark Cowin <mcowin@water.ca.gov>, Mary Schooley <mary.schooley@owrb.ok.gov>, Michelle Bushman <mbushman@wswc.utah.gov>, Mike Volesky <mvolesky@mt.gov>, Nancy Aquino <Nancy.Aquino@waterboards.ca.gov>, Norman Johnson <normanjohnson@utah.gov>, Pat Lambert <patlambert@wswc.utah.gov>, Patrick Pfaltzgraff <patrick.j.pfaltzgraff@state.co.us>, Patrick Rice <pat.rice@nebraska.gov>, Patrick Tyrrell <patrick.tyrrell@wyo.gov>, Rob Singletary <rob.singletary@owrb.ok.gov>, Robert Mace <Robert.Mace@twdb.texas.gov>, Ryan Flynn <ryan.flynn@state.nm.us>, Sara Larsen <saralarsen@wswc.utah.gov>, Shellie Chard-McClary <shellie.chard-mcclary@deq.ok.gov>, Stephen Tatum <stephen.tatum@tceq.texas.gov>, Stephen Tatum <tucker.royall@tceq.texas.gov>, Steve Pirner <steve.pirner@state.sd.us>, Steve Wolff <steve.wolff@wyo.gov>, Susan Jenkins <susan.jenkins@wyo.gov>, Susan Metzger <Susan.Metzger@kda.ks.gov>, Terrie Fields <terrie.fields@ecy.wa.gov>, Thomas Howard <thoward@waterboards.ca.gov>, Tim Davis <timdavis@mt.gov>, Todd Chenoweth <todd.chenoweth@twdb.texas.gov>, Todd Parfitt <todd.parfitt@wyo.gov>, Todd Sando <tsando@nd.gov>, Tom Blaine <tom.blaine@state.nm.us>, Tom Buschatzke <tbuschatzke@azwater.gov>, Tom Byler <thomas.m.byler@wr.d.state.or.us>, Tom Livers <tlivers@mt.gov>, Tom Loranger <thomas.loranger@ecy.wa.gov>, Tom Stiles <tstiles@kdheks.gov>, Tony Willardson <twillardson@wswc.utah.gov>, Tracy Streeter <tracy.streeter@kwo.ks.gov>, Trevor Baggione <tb4@azdeq.gov>, Trisha Oeth <trisha.oeth@state.co.us>, Walter Baker <wbaker@utah.gov>, Weir Labatt <twlabatt@gmail.com>, William Staudenmaier <wstaudenmaier@swlaw.com>, Aaron.m.snyder@usace.army.mil

Cc: Dave Mitamura <dave@dcmpolicyconsulting.com>, "G. Edward Dickey" <gedickey@verizon.net>, "PBLANCHARD@nwpipe.com" <pblanchard@nwpipe.com>, chaunsey.chau-duong@lvvwd.com, mike.gallagher@ecy.wa.gov, cherilyn.g.plaxco@usace.army.mil, Anne Castle **Personal Email / Ex. 6** "Werner, Kevin" <kevin.werner@noaa.gov>, Roger Gorke <gorke.roger@epa.gov>, "Fulkerson, Becky" <rfulkerson@usbr.gov>, Holly Propst <hpropst@westgov.org>, Troy Timmons <ttrimmons@westgov.org>

Council Members, Meeting Speakers, and Others:

The briefing book for our meetings being held in Bismarck, North Dakota on July 13-15, 2016 is available for download on our [website](#), and is 25.79 MB. The minutes from our last meetings held in Manhattan, Kansas are being posted on our website (under Past Meetings) for your review.

On Wednesday morning, July 13, Council members are invited to participate in a WSWC workshop on Federal Non-Tribal Water Rights Claims. The workshop will commence Wednesday morning at 8:00 am, and conclude Wednesday morning around 11:45 a.m.

Council members and guests are invited to join our North Dakota hosts on a field trip Wednesday afternoon. Please meet in the hotel lobby at 12:45 p.m. for departure. Registration is required and is \$35 per person. We'll be visiting: Hogue Island to hear about challenges with flood mitigation projects and ESA issues; Misty Waters marina and development on the Missouri River; the Bismarck Water Treatment plant where the buried water table intake will be discussed; and the Fort Lincoln Overlook, for a description of issues regarding sedimentation, flooding, and the long-term State Water Commission study. We expect to return to the Hotel by about 5:30 p.m. Dinner is on your own.

On Thursday, the WSWC Committee meetings will be held sequentially, beginning at 8:00 a.m. with the Water Resources Committee meeting. The Executive Committee will be held over lunch at 11:30 a.m., followed by the Water Quality Committee at 1:15 p.m., and the Legal Committee at 3:30 p.m. A reception will be held at the hotel from 6:00 – 7:00 p.m, and all Council members and guests are invited to attend. We wish to express our appreciation to our reception sponsors, **Bartlett & West**.

The Water Resources, Legal, Water Quality Committee meetings, and Full Council meeting will be available via teleconference and/or webinar. **Call-in instructions and information on how to participate via webinar are attached to this email.** In the event you have difficulties connecting, please call or text Tony at [801-573-7593](tel:801-573-7593) or Michelle at [801-615-1693](tel:801-615-1693). Please send a request if you wish to participate via teleconference in the Executive Committee.

We look forward to interesting and productive meetings in Bismarck. If you have any questions regarding these matters, please let us know.

Attachment

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Patrick M. Lambert, Hydrologist, U.S. Geological Survey

WestFAST Liaison

Western States Water Council

5296 Commerce Drive, Suite 202

Murray, UT 84107

Phone: 801 685-2555

Personal Phone / Ex. 6

Fax: 801 685-2559

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AGENDA

WATER QUALITY COMMITTEE MEETING

Radisson Hotel Bismarck
Bismarck, ND
July 14, 2016

Call to Order at: 1:15 pm
Conducting: Kevin Frederick, Vice Chair

Room: Rembrandt Room

TAB

1. **Welcome and Introductions**
2. **Approval of Minutes**
- E 3. **2016-2017 Work Plan** – Kevin Frederick
4. **Water Quality in North Dakota** – David Glatt
- O 5. **EPA Update** –
 - a. EPA Fracking Study re: impacts on drinking water and recent Science Advisory Board Meetings – Jeff Frithsen, EPA Office of Research and Development
 - b. Tribal Treatment as States rules/guidance - Fred Leutner, EPA Office of Science and Technology
 - c. Tribal Water Quality Standards (WQS) - Advanced Notice of Proposed Rulemaking (ANPR) - Marylou Soscia, EPA Region X
 - d. WOTUS Rule - Karyn Wendelowski, EPA Office of General Counsel
 - e. Decision on Forest Roads and 402(p)(6) - Allison Wiedeman, EPA Office of Wastewater Management / Rural Branch
 - f. NPDES Application and Program Updates – Proposed Rule - Sharmin Syed and Erin Flannery-Keith, EPA Office of Wastewater Management / State and Regional Branch
- P 6. **EPA-USGS Report on Protecting Aquatic Life & Hydrologic Flow Alteration** – Diana M. Eignor and Betsy Behl, EPA Office of Science and Technology; and Jonathan Kennen and Sonya Jones, USGS Water Availability and Use Science Program (via phone)
- Q 7. **States' Water Quality Protection Authorities (outside CWA)** – Walt Baker
- H 8. **Good Samaritan/Hard Rock Mine Remediation** –
 - a. WGA Resolution
 - b. Gold King Mine Monitoring Plans
 - c. EPA Efforts, Proposed CERCLA Rule re: financial assurance requirements for mine site cleanup
- XYZ 9. **Sunsetting Position - #359**
regarding pesticide applications and National Pollutant Discharge Elimination System discharge permits (October 3, 2013)
10. **Other Matters**

Message

From: Pat Lambert [patlambert@wswc.utah.gov]
Sent: 7/12/2016 2:58:00 PM
To: Behl, Betsy [Behl.Betsy@epa.gov]; Sonya Jones [sajones@usgs.gov]; Kennen, Jonathan [jgkennen@usgs.gov]; Eignor, Diana [Eignor.Diana@epa.gov]
Subject: Fwd: WSWC Briefing Materials for Bismarck, North Dakota Meetings - July 13-15, 2016
Attachments: Call-In & Webinar Instructions_for web.docx; Agenda Water Quality Committee - NDJuly2016.doc

See attachment for webinar and conference line information. I have also attached the latest agenda. - Pat L.

----- Forwarded message -----

From: **Tony Willardson** <twillardson@wswc.utah.gov>
Date: Thu, Jul 7, 2016 at 3:18 PM
Subject: WSWC Briefing Materials for Bismarck, North Dakota Meetings - July 13-15, 2016
To: Alan Reichman <alanr@atg.wa.gov>, Alice Edwards <alice.edwards@alaska.gov>, Amy Haas <Amy.Haas@state.nm.us>, Andrea Travnicek <atravnicek@nd.gov>, Barbara Allen <barbaraallen@utah.gov>, Barry Burnell <barry.burnell@deq.idaho.gov>, Bech Bruun <bech.bruun@twdb.texas.gov>, Betty Olson <bholson@uci.edu>, Bidtah Becker <bidtahnbecker@navajo-nsn.gov>, Brenda Poulsen <bpoulsen@rex-law.com>, Brent Goodrum <brent.goodrum@alaska.gov>, Buck Smith <JSMI461@ecy.wa.gov>, Burke Griggs <burke.griggs@ag.ks.gov>, Cheryl Redding <credning@wswc.utah.gov>, Chris Beightel <chris.beightel@kda.ks.gov>, Chris Brown <chris.brown@wyo.gov>, Christian Schmidt <cschmidt2@mt.gov>, Cindy Lane <cindyl@smwd.com>, Cindy Smith <cindy.s.smith@state.or.us>, Colleen Lane <ccklane@azwater.gov>, Craig Estes <craig.estes@senate.state.tx.us>, Cristina Tejeda <cristina.tejeda@tceq.texas.gov>, Cynthia Chandley <cchandley@swlaw.com>, Dallin Jensen <djensen@parsonsbehle.com>, David Barfield <david.barfield@kda.ks.gov>, David Emme <demme@ndep.nv.gov>, David Glatt <dglatt@nd.gov>, David Schade <david.w.schade@alaska.gov>, Dick Wolfe <dick.wolfe@state.co.us>, Earl Lewis <earl.lewis@kwo.ks.gov>, Eileen Grevey Hillson <ehillson@swcp.com>, Einav Henenson <ehenenson@azwater.gov>, Eric Millis <ericmillis@utah.gov>, "Garland G. Erbele" <gerbele@nd.gov>, Gary Spackman <gary.spackman@idwr.idaho.gov>, George Mathieus <gemathieus@mt.gov>, Ginny Brannon <ginny.brannon@state.co.us>, Greg Ridgley <greg.ridgley@state.nm.us>, Hal Simpson { **Personal Email / Ex. 6** }, Harry LaBonde <harry.labonde@wyo.gov>, "J.D. Strong" <jdstrong@owrb.ok.gov>, James Eklund <james eklund@state.co.us>, James Macy <jim.macy@nebraska.gov>, Jason King <jking@water.nv.gov>, Jay Weiner <jweiner2@mt.gov>, Jeanine Jones <jeanine.jones@water.ca.gov>, Jeanne Goodman <jeanne.goodman@state.sd.us>, Jeff Fassett <jeff.fassett@nebraska.gov>, Jennifer Verleger <jverleger@nd.gov>, Jennifer Wigal <wigal.jennifer@deq.state.or.us>, Jerry Rigby <jrigby@rex-law.com>, Jess Byrne <jess.byrne@deq.idaho.gov>, Jim Rizk <jim.rizk@tceq.texas.gov>, John Simpson <jks@idahowaters.com>, John Stulp <john.stulp@state.co.us>, John Tippetts <John.Tippetts@deq.idaho.gov>, John Tubbs <jtubbs@mt.gov>, John Utton <john@uttonkery.com>, Jon Niermann <jon.niermann@tceq.texas.gov>, Julie Groat <jgroat@wswc.utah.gov>, Karen Hunter <karen.hunter@kda.ks.gov>, Kent Woodmansey <kent.woodmansey@state.sd.us>, Kevin Frederick <kevin.frederick@wyo.gov>, Kristina Eckhart <kristina.eckhart@state.nm.us>, Leo Drozdoff <ldrozdoff@dcnr.nv.gov>, Lucille Quintana <lucille.v.quintana@state.nm.us>, Maia Bellon <maib461@ecy.wa.gov>, Mandi Maser <mandi.maser@nebraska.gov>, Maria O'Brien <mobrien@modrall.com>, Mark Cowin <mcowin@water.ca.gov>, Mary Schooley <mary.schooley@owrb.ok.gov>, Michelle Bushman <mbushman@wswc.utah.gov>, Mike Volesky <mvolesky@mt.gov>, Nancy Aquino <Nancy.Aquino@waterboards.ca.gov>, Norman Johnson <normanjohnson@utah.gov>, Pat Lambert <patlambert@wswc.utah.gov>, Patrick Pfaltzgraff <patrick.j.pfaltzgraff@state.co.us>, Patrick Rice <pat.rice@nebraska.gov>, Patrick Tyrrell <patrick.tyrrell@wyo.gov>, Rob Singletary <rob.singletary@owrb.ok.gov>, Robert Mace <Robert.Mace@twdb.texas.gov>, Ryan Flynn <ryan.flynn@state.nm.us>, Sara Larsen <saralarsen@wswc.utah.gov>, Shellie Chard-McClary <shellie.chard-mcclary@deq.ok.gov>, Stephen Tatum

<stephen.tatum@tceq.texas.gov>, Stephen Tatum <tucker.royall@tceq.texas.gov>, Steve Pirner <steve.pirner@state.sd.us>, Steve Wolff <steve.wolff@wyo.gov>, Susan Jenkins <susan.jenkins@wyo.gov>, Susan Metzger <Susan.Metzger@kda.ks.gov>, Terrie Fields <terrie.fields@ecy.wa.gov>, Thomas Howard <thoward@waterboards.ca.gov>, Tim Davis <timdavis@mt.gov>, Todd Chenoweth <todd.chenoweth@twdb.texas.gov>, Todd Parfitt <todd.parfitt@wyo.gov>, Todd Sando <tsando@nd.gov>, Tom Blaine <tom.blaine@state.nm.us>, Tom Buschatzke <tbuschatzke@azwater.gov>, Tom Byler <thomas.m.byler@wrdd.state.or.us>, Tom Livers <tlivers@mt.gov>, Tom Loranger <thomas.loranger@ecy.wa.gov>, Tom Stiles <tstiles@kdheks.gov>, Tony Willardson <twillardson@wswc.utah.gov>, Tracy Streeter <tracy.streeter@kwo.ks.gov>, Trevor Baggione <tb4@azdeq.gov>, Trisha Oeth <trisha.oeth@state.co.us>, Walter Baker <wbaker@utah.gov>, Weir Labatt <twlabatt@gmail.com>, William Staudenmaier <wstaudenmaier@swlaw.com>, Aaron.m.snyder@usace.army.mil

Cc: Dave Mitamura <dave@dcmpolicyconsulting.com>, "G. Edward Dickey" <gedickey@verizon.net>, "PBLANCHARD@nwpipe.com" <pblanchard@nwpipe.com>, chaunsey.chau-duong@lvvwd.com, mike.gallagher@ecy.wa.gov, cherilyn.g.plaxco@usace.army.mil, Anne Castle <Personal Email / Ex. 6>, "Werner, Kevin" <kevin.werner@noaa.gov>, Roger Gorke <gorke.roger@epa.gov>, "Fulkerson, Becky" <rfulkerson@usbr.gov>, Holly Propst <hpropst@westgov.org>, Troy Timmons <ttimmons@westgov.org>

Council Members, Meeting Speakers, and Others:

The briefing book for our meetings being held in Bismarck, North Dakota on July 13-15, 2016 is available for download on our [website](#), and is 25.79 MB. The minutes from our last meetings held in Manhattan, Kansas are being posted on our website (under Past Meetings) for your review.

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We look forward to interesting and productive meetings in Bismarck. If you have any questions regarding these matters, please let us know.

Attachment

--

Patrick M. Lambert, Hydrologist, U.S. Geological Survey

WestFAST Liaison

682 East Vine Street, Suite 7

Murray, UT 84107-5501

Phone: 801 685-2555

Cell: Personal Phone / Ex. 6

Fax: 801 685-2559

email: patlambert@wswc.utah.gov

AGENDA

WATER QUALITY COMMITTEE MEETING

Radisson Hotel Bismarck
Bismarck, ND
July 14, 2016

Call to Order at: 1:15 pm
Conducting: Kevin Frederick, Vice Chair

Room: Rembrandt Room

TAB

1. **Welcome and Introductions**
2. **Approval of Minutes**
- E 3. **2016-2017 Work Plan** – Kevin Frederick
4. **Water Quality in North Dakota** – David Glatt
- O 5. **EPA Update** –
 - a. EPA Fracking Study re: impacts on drinking water and recent Science Advisory Board Meetings – Jeff Frithsen, EPA Office of Research and Development
 - b. Tribal Treatment as States rules/guidance - Fred Leutner, EPA Office of Science and Technology
 - c. Tribal Water Quality Standards (WQS) - Advanced Notice of Proposed Rulemaking (ANPR) - Marylou Soscia, EPA Region X
 - d. WOTUS Rule - Karyn Wendelowski, EPA Office of General Counsel
 - e. Decision on Forest Roads and 402(p)(6) - Allison Wiedeman, EPA Office of Wastewater Management / Rural Branch
 - f. NPDES Application and Program Updates – Proposed Rule - Sharmin Syed and Erin Flannery-Keith, EPA Office of Wastewater Management / State and Regional Branch
- P 6. **EPA-USGS Report on Protecting Aquatic Life & Hydrologic Flow Alteration** – Diana M. Eignor and Betsy Behl, EPA Office of Science and Technology; and Jonathan Kennen and Sonya Jones, USGS Water Availability and Use Science Program (via phone)
- Q 7. **States' Water Quality Protection Authorities (outside CWA)** – Walt Baker
- H 8. **Good Samaritan/Hard Rock Mine Remediation** –
 - a. WGA Resolution
 - b. Gold King Mine Monitoring Plans
 - c. EPA Efforts, Proposed CERCLA Rule re: financial assurance requirements for mine site cleanup
- XYZ 9. **Sunsetting Position - #359**
regarding pesticide applications and National Pollutant Discharge Elimination System discharge permits (October 3, 2013)
10. **Other Matters**

CALL-IN AND WEBINAR INSTRUCTIONS

A. Call-In Information

The dates, times, and call-in information for each meeting are listed below. The below list also indicates which meetings will be available via webinar. Instructions on how to participate via webinar are contained in Section B, which follows.

For teleconference and webinar audio, **please use the dial-in numbers as indicated below.**

Central				
Day, Date	Time	Meeting	Dial-in Number	Webinar
Wed, July 13	8:00 am	Workshop on Federal Non-Tribal Water Rights Claims	Conference Line/Code / Ex. 6	Yes
Thurs, July 14	8:00 am	Water Resources Committee	Conference Line/Code / Ex. 6	Yes
Thurs, July 14	1:15 pm	Water Quality Committee	Conference Line/Code / Ex. 6	Yes
Thurs, July 14	3:30 pm	Legal Committee	Conference Line/Code / Ex. 6	Yes
Fri, July 15	8:00 am	WSWC 181 st Full Council Meeting	Conference Line/Code / Ex. 6	Yes
<i>Please send a request if you wish to participate via teleconference in the Executive Committee.</i>				
Thurs, July 14	11:45 am	Executive Committee	Conference Line/Code / Ex. 6	No

B. General Webinar Instructions

Depending on your web browser and system configuration, you may experience problems accessing the webinar.

Please check and prepare your computer a day or two in advance of the meeting as follows:

1. Start your web browser
2. Visit <http://westerngovernors.webex.com>
3. Select "Setup / Event manager" (left side of page)

To participate via webinar, please follow the instructions below:

1. Go to <https://westerngovernors.webex.com/>
2. Select the meeting you wish to join.
3. If requested, enter your name and email address.
4. If a password is required, enter: "wswc" for all meetings
5. Click "Join."
6. Follow the instructions that appear on your screen.

When you attempt to log in, you may receive a message that says you need Java to run the meeting software. If you do not have an up-to-date version of Java on your computer, the WebEx software should offer you a temporary application that you can run on your computer to make the WebEx application work correctly.

We recommend you place your phone on mute and under no circumstance place the call on hold. If you encounter troubles connecting to the audio (or other things), you may ask questions or communicate via the WebEx "chat" feature.

Message

From: Pat Lambert [patlambert@wswc.utah.gov]
Sent: 7/11/2016 1:59:15 PM
To: Behl, Betsy [Behl.Betsy@epa.gov]
Subject: Re: WSWC Briefing Materials for Bismarck, North Dakota Meetings - July 13-15, 2016

Betsy, I added Diana's name to the agenda however the electronic and paper packets had already been sent out. Updated agendas will be available at the meeting. I had a good conference call with Diana and Jonathon last week about the scope of the presentation. We discussed that the WSWC had been represented on previous EPA/USGS webinar briefings on the draft report and that although a brief review of the scope and content of the report should be given, Council members will want to have some feedback and discussion on their comments and concerns outlined in their June letter to EPA. I think Diana and Jonathon will be well prepared, but it will be great to have you and Sonya Jones on the call as the questions may range to broader questions surrounding the report topic. Thanks for your help with this. Any thoughts or questions, let me know. - Pat L.

On Mon, Jul 11, 2016 at 7:31 AM, Behl, Betsy <Behl.Betsy@epa.gov> wrote:

Greetings Pat, could you please add Diana Eignor's name to the presenters at the Water Quality Committee meeting for the flow paper. Diana will do the presenting. I will be there as well.

thanks

From: Pat Lambert [mailto:patlambert@wswc.utah.gov]
Sent: Friday, July 08, 2016 4:44 PM
To: Flannery-Keith, Erin <Flannery-Keith.Erin@epa.gov>; Syed, Sharmin <Syed.Sharmin@epa.gov>; Frazer, Brian <Frazer.Brian@epa.gov>; Nagle, Deborah <Nagle.Deborah@epa.gov>; Frithsen, Jeff <Frithsen.Jeff@epa.gov>; Gilinsky, Ellen <Gilinsky.Ellen@epa.gov>; Wiedeman, Allison <Wiedeman.Allison@epa.gov>; Soscia, Marylou <Soscia.Marylou@epa.gov>; Leutner, Fred <Leutner.Fred@epa.gov>; Behl, Betsy <Behl.Betsy@epa.gov>; Wehling, Carrie <Wehling.Carrie@epa.gov>; Wendelowski, Karyn <wendelowski.karyn@epa.gov>; Goodin, John <Goodin.John@epa.gov>; Kaiser, Russell <Kaiser.Russell@epa.gov>; Borum, Denis <Borum.Denis@epa.gov>
Subject: Fwd: WSWC Briefing Materials for Bismarck, North Dakota Meetings - July 13-15, 2016

Meeting info and call in instructions attached. Thanks for your help with this meeting. - Pat L.

----- Forwarded message -----

From: Tony Willardson <twillardson@wswc.utah.gov>
Date: Thu, Jul 7, 2016 at 3:18 PM
Subject: WSWC Briefing Materials for Bismarck, North Dakota Meetings - July 13-15, 2016
To: Alan Reichman <alanr@atg.wa.gov>, Alice Edwards <alice.edwards@alaska.gov>, Amy Haas <Amy.Haas@state.nm.us>, Andrea Travnicek <atravnicek@nd.gov>, Barbara Allen <barbaraallen@utah.gov>, Barry Burnell <barry.burnell@deq.idaho.gov>, Bech Bruun <bech.bruun@twdb.texas.gov>, Betty Olson <bholson@uci.edu>, Bidtah Becker <bidtahnbecker@navajonnsn.gov>, Brenda Poulsen <bpoulsen@rex-law.com>, Brent Goodrum <brent.goodrum@alaska.gov>, Buck

Smith <JSMI461@ecy.wa.gov>, Burke Griggs <burke.griggs@ag.ks.gov>, Cheryl Redding
 <credning@swsc.utah.gov>, Chris Beightel <chris.beightel@kda.ks.gov>, Chris Brown
 <chris.brown@wyo.gov>, Christian Schmidt <cschmidt2@mt.gov>, Cindy Lane <cindyl@smwd.com>, Cindy
 Smith <cindy.s.smith@state.or.us>, Colleen Lane <cklane@azwater.gov>, Craig Estes
 <craig.estes@senate.state.tx.us>, Cristina Tejeda <cristina.tejeda@tceq.texas.gov>, Cynthia Chandley
 <cchandley@swlaw.com>, Dallin Jensen <djensen@parsonsbehle.com>, David Barfield
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 <ehenenson@azwater.gov>, Eric Millis <ericmillis@utah.gov>, "Garland G. Erbele" <gerbele@nd.gov>, Gary
 Spackman <gary.spackman@idwr.idaho.gov>, George Mathieus <gemathieus@mt.gov>, Ginny Brannon
 <ginny.brannon@state.co.us>, Greg Ridgley <greg.ridgley@state.nm.us>, Hal Simpson
 <hsimpson@state.nm.us>, **Personal Email / Ex. 6**, Harry LaBonde <harry.labonde@wyo.gov>, "J.D. Strong"
 <jdstrong@owrb.ok.gov>, James Eklund <james eklund@state.co.us>, James Macy
 <jim.macy@nebraska.gov>, Jason King <jking@water.nv.gov>, Jay Weiner <jweiner2@mt.gov>, Jeanine
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 <pat.rice@nebraska.gov>, Patrick Tyrrell <patrick.tyrrell@wyo.gov>, Rob Singletary
 <rob.singletary@owrb.ok.gov>, Robert Mace <Robert.Mace@twdb.texas.gov>, Ryan Flynn
 <ryan.flynn@state.nm.us>, Sara Larsen <saralarsen@swsc.utah.gov>, Shellie Chard-McClary <shellie.chard-
 mcclary@deq.ok.gov>, Stephen Tatum <stephen.tatum@tceq.texas.gov>, Stephen Tatum
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 <twlabatt@gmail.com>, William Staudenmaier <wstaudenmaier@swlaw.com>,
 Aaron.m.snyder@usace.army.mil
 Cc: Dave Mitamura <dave@dcmpolicyconsulting.com>, "G. Edward Dickey" <gedickey@verizon.net>,
 "PBLANCHARD@nwpipe.com" <pblanchard@nwpipe.com>, chaunsey.chau-duong@lvvwd.com,
 mike.gallagher@ecy.wa.gov, cherilyn.g.plaxco@usace.army.mil, Anne Castle <acastle@usace.army.mil>, **Personal Email / Ex. 6**,
 "Werner, Kevin" <kevin.werner@noaa.gov>, Roger Gorke <gorke.roger@epa.gov>, "Fulkerson, Becky"
 <rfulkerson@usbr.gov>, Holly Propst <hpropst@westgov.org>, Troy Timmons <ttimmons@westgov.org>

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Attachment

--

Patrick M. Lambert, Hydrologist, U.S. Geological Survey

WestFAST Liaison

Western States Water Council

5296 Commerce Drive, Suite 202

Murray, UT 84107

Phone: [801 685-2555](tel:8016852555)

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Personal Phone / Ex. 6

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--

Patrick M. Lambert, Hydrologist, U.S. Geological Survey

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5296 Commerce Drive, Suite 202

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Phone: 801 685-2555

Cell: 801 755-4105

Fax: 801 685-2559

email: patlambert@wswc.utah.gov

Message

From: Gorke, Roger [Gorke.Roger@epa.gov]
Sent: 7/8/2016 8:07:35 PM
To: Pat Lambert (patlambert@wswc.utah.gov) [patlambert@wswc.utah.gov]
CC: Flannery-Keith, Erin [Flannery-Keith.Erin@epa.gov]; Syed, Sharmin [Syed.Sharmin@epa.gov]; Frazer, Brian [Frazer.Brian@epa.gov]; Nagle, Deborah [Nagle.Deborah@epa.gov]; Frithsen, Jeff [Frithsen.Jeff@epa.gov]; Gilinsky, Ellen [Gilinsky.Ellen@epa.gov]; Wiedeman, Allison [Wiedeman.Allison@epa.gov]; Soscia, Marylou [Soscia.Marylou@epa.gov]; Leutner, Fred [Leutner.Fred@epa.gov]; Behl, Betsy [Behl.Betsy@epa.gov]; Wehling, Carrie [Wehling.Carrie@epa.gov]; Wendelowski, Karyn [wendelowski.karyn@epa.gov]; Goodin, John [Goodin.John@epa.gov]; Kaiser, Russell [Kaiser.Russell@epa.gov]; Borum, Denis [Borum.Denis@epa.gov]
Subject: WSWC Water Quality Committee EPA Update
Attachments: Agenda-Water-Quality-Committee-NDJuly2016.epa.doc

Pat,

I've attached an updated agenda with most of the names of presenters for the WSWC Water Quality Committee. The meeting is July 14th, 1:15 pm MDT.

Let me know if you or anyone has any questions or concerns.

Thanks,

Roger

Roger Gorke
Senior Policy Advisor
Office of Water/Region 9 – Southern California Field Office
U.S. Environmental Protection Agency
213-244-1853
gorke.roger@epa.gov

From: Nagle, Deborah
Sent: Thursday, July 07, 2016 2:30 PM
To: Gorke, Roger <Gorke.Roger@epa.gov>
Cc: Flannery-Keith, Erin <Flannery-Keith.Erin@epa.gov>; Syed, Sharmin <Syed.Sharmin@epa.gov>; Frazer, Brian <Frazer.Brian@epa.gov>
Subject: Re: More for EPA Update

Either Sharmin Syed or Erin Flannery-Keith. Looping in Brian as well

Sent from my iPhone

On Jul 7, 2016, at 11:01 AM, Gorke, Roger <Gorke.Roger@epa.gov> wrote:

Deborah,

Do you have someone that can talk about this? (See below)

Thanks,

Roger

Roger Gorke
Senior Policy Advisor
Office of Water/Region 9 – Southern California Field Office
U.S. Environmental Protection Agency
213-244-1853
gorke.roger@epa.gov

From: Pat Lambert [<mailto:patlambert@wswc.utah.gov>]
Sent: Tuesday, June 28, 2016 12:14 PM
To: Gorke, Roger <Gorke.Roger@epa.gov>
Subject: Fwd: More for EPA Update

Roger, they keep adding stuff.

----- Forwarded message -----

From: Michelle Bushman <mbushman@wswc.utah.gov>
Date: Tue, Jun 28, 2016 at 12:09 PM
Subject: More for EPA Update
To: Pat Lambert <patlambert@wswc.utah.gov>

Pat,

Just got the following from J.D. Strong and Kevin Frederick regarding the Water Quality Committee Agenda:

1. Agenda: EPA Update.....would it be possible to have EPA provide an overview/update of its recent "NPDES Application and Program Updates" proposed rule? The following Summary is taken from the May 18, 2016 Federal Register announcing the proposed rule:

The Environmental Protection Agency (EPA) proposes revisions to the National Pollutant Discharge Elimination System regulations to eliminate regulatory and application form inconsistencies; improve permit documentation, transparency and oversight; clarify existing regulations; and remove outdated provisions. This proposal would make specific targeted changes to the existing regulations and would not reopen the regulations for other specific or comprehensive revision. These proposed regulatory changes cover 15 topics in the following major categories: permit applications; the water quality-based permitting process; permit objection, documentation and process efficiencies; the vessels exclusion; and the Clean Water Act (CWA) section 401 certification process. These revisions would further align NPDES regulations with statutory requirements from the 1987 CWA Amendments and more recent case law requirements. By modernizing the NPDES regulations, the proposed revisions would provide NPDES permit writers with improved tools to write well-documented permits to protect human health and the environment. The revisions would also provide the public with enhanced opportunities for public participation in permitting actions.

I looked for an Fact Sheet on the proposed rule on their website but didn't find one.

I know that ACWA has taken an interest in working with states to develop a comment letter on the proposed rule - something that WSWC states may also be interested in. (This may be something that the Committee's Clean Water Act workgroup would be interested in taking on, however, comments on the proposed rule are due Aug. 2, so there may not be enough time. Nonetheless, JD and I think our states would be interested in having a quick update from EPA during the committee meeting, if possible.

{end of copied question}

Michelle Bushman

Legal Counsel
Western States Water Council

<http://www.westernstateswater.org/>
(801) 685-2555

--

Patrick M. Lambert, Hydrologist, U.S. Geological Survey
WestFAST Liaison
Western States Water Council
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Phone: 801 685-2555
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Fax: 801 685-2559
email: patlambert@wswc.utah.gov

AGENDA

WATER QUALITY COMMITTEE MEETING

Radisson Hotel Bismarck

Bismarck, ND

July 14, 2016

Call to Order at: 1:15 pm
Conducting: Kevin Frederick, Vice Chair

Room: Rembrandt Room

TAB

1. **Welcome and Introductions**
2. **Approval of Minutes**
- E 3. **2016-2017 Work Plan** – Kevin Frederick
4. **Water Quality in North Dakota** –
- O 5. **EPA Update** –
 - a. EPA Fracking Study re: impacts on drinking water and recent Science Advisory Board Meetings – Jeff Frithsen, EPA – Office of Research and Development
 - b. Tribal Treatment as States rules/guidance – Fred Leutner – Office of Science and Technology
 - c. Tribal Water Quality Standards (WQS) - Advanced Notice of Proposed Rulemaking (ANPR) – Marylou Soscia, EPA – Region X
 - d. WOTUS Rule – Karyn Wendelowski – EPA Office of General Counsel
 - e. Decision on Forest Roads and 402(p)(6) – Allison Wiedeman – EPA Office of Wastewater Management / Rural Branch
 - f. NPDES Application and Program Updates – Proposed Rule – Sharmin Syed/Erin Flannery-Keith – EPA Office of Wastewater Management / State and Regional Branch
- P 6. **EPA-USGS Report on Protecting Aquatic Life & Hydrologic Flow Alteration** – Betsy Behl (EPA, Office of Water), Sonya Jones and Jonathan Kennen (USGS, Water) (via phone)
- Q 7. **States' Water Quality Protection Authorities (outside CWA)** – Walt Baker
- H 8. **Good Samaritan/Hard Rock Mine Remediation** –
 - a. WGA Resolution
 - b. Gold King Mine Monitoring Plans
 - c. EPA Efforts, Proposed CERCLA Rule re: financial assurance requirements for mine site cleanup
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regarding pesticide applications and National Pollutant Discharge Elimination System discharge permits (October 3, 2013)
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Sent: 7/7/2016 9:14:06 PM
To: Pat Lambert [patlambert@wswc.utah.gov]
CC: Sonya Jones [sajones@usgs.gov]; Eignor, Diana [Eignor.Diana@epa.gov]; Gorke, Roger [Gorke.Roger@epa.gov]; Gallagher, Kathryn [Gallagher.Kathryn@epa.gov]; Behl, Betsy [Behl.Betsy@epa.gov]
Subject: Re: EPA/USGS briefing to Western States Water Council - July 14

Thanks Pat,

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Jonathan

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- Pat L.

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Patrick M. Lambert, Hydrologist, U.S. Geological Survey

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phone: (609) 771-3948

Message

From: Julie Groat [jgroat@wswc.utah.gov]
Sent: 8/31/2016 5:44:02 PM
To: Behl, Betsy [Behl.Betsy@epa.gov]
CC: Michelle Bushman [mbushman@wswc.utah.gov]
Subject: RE: Thank You/WSWC ND Meetings
Attachments: Betsy Behl Thank you Letter.pdf

Dear Ms. Behl,

I hope this finds you doing well. Attached please find a letter on behalf of the Western States Water Council regarding your participation at our Council meetings held in Bismarck, North Dakota in July.

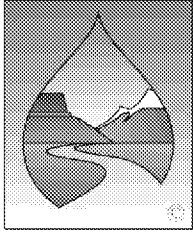
Please let me know if you have any questions.

Thank you,

Julie

--

Julie Groat
Administrative Assistant
Western States Water Council
682 East Vine Street, Suite 7
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(801) 685-2555
(801) 685-2559 (fax)
jgroat@wswc.utah.gov
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WESTERN STATES WATER COUNCIL

682 East Vine Street, Suite 7 / Murray, Utah 84107 / (801) 685-2555 / FAX (801) 685-2559

Web Page: www.westernstateswater.org

August 31, 2016

Ms. Betsy Behl
Office of Science and Technology
U.S. Environmental Protection Agency
William Jefferson Clinton Building
1200 Pennsylvania Avenue NW, MC: 4304T
Washington, DC 20460

sent via email: behl.betsy@epa.gov

Dear Ms. Behl,

I am writing on behalf of the Western States Water Council to express gratitude for your attendance and participation at our recent Water Quality Committee Meeting that was held in Bismarck, North Dakota. Your presentation on EPA-USGS's Report on Protecting Aquatic Life & Hydrologic Flow Alteration was appreciated.

We look forward to building on the relationship we have with EPA, and continuing collaboration particularly as part of WestFAST. Please do not hesitate to call on us, if there is anything we can do to assist with your important responsibilities.

Sincerely,

Michelle Bushman
Legal Counsel

Message

From: Pat Lambert [patlambert@wswc.utah.gov]
Sent: 7/7/2016 9:02:42 PM
To: Kennen, Jonathan [jgkenn@usgs.gov]
CC: Sonya Jones [sajones@usgs.gov]; Eignor, Diana [Eignor.Diana@epa.gov]; Gorke, Roger [Gorke.Roger@epa.gov]; Gallagher, Kathryn [Gallagher.Kathryn@epa.gov]; Behl, Betsy [Behl.Betsy@epa.gov]
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Attachments: Eignor_WSWC Comments on EPA-USGS Technical Report_2016Jun17 (2).pdf; Agenda Water Quality Committee - NDJuly2016.doc

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AGENDA

WATER QUALITY COMMITTEE MEETING

Radisson Hotel Bismarck

Bismarck, ND

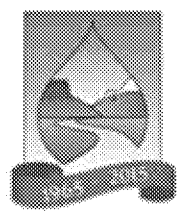
July 14, 2016

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Conducting: Kevin Frederick, Vice Chair

Room: Rembrandt Room

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WESTERN STATES WATER COUNCIL

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Web Page: www.westernstateswater.org

June 17, 2016

Ms. Diana Eignor
Health and Ecological Criteria Division
Office of Water (Mail Code 4304T)
Environmental Protection Agency
1200 Pennsylvania Avenue NW
Washington, DC 20460

RE: Docket ID No. EPA-HQ-OW-2015-0035,
Technical Report: Protecting Aquatic Life from Effects of Hydrologic Alteration

Dear Ms. Eignor:

Thank you for the opportunity to comment on the Draft EPA-USGS Technical Report on protecting aquatic life from the effects of hydrological alteration. The Western States Water Council (WSWC) is a policy advisory body representing eighteen states, and has long been involved in western water conservation, development, protection, and management issues. Our mission is to ensure that the West has an adequate, secure and sustainable supply of water of suitable quality to meet its diverse economic and environmental needs now and in the future, including water for aquatic life.

Regrettably, none of the listed reviewers of the technical report are state water quality or water rights managers. Although the agencies have identified Clean Water Act (CWA) §304(a)(2) and §304(f) as EPA's authority for and mandate to develop the information presented in the Draft Report, both sections also require consultation with appropriate state agencies. This consultation has not occurred.

Water in the West is an increasingly scarce and precious resource. Population growth, competing economic and ecological demands, and changing social values have left surface and ground water supplies stressed in many areas. This has increased the number and complexity of conflicts among users and uses.

To the extent that this report is a non-prescriptive technical resource, we appreciate your efforts to provide state water managers with useful information. The objective of the CWA is to restore and maintain the chemical, biological and physical integrity of the Nation's waters and is built upon the principle of cooperative federalism in which Congress reserved to the states authority to allocate water for all uses and delegated authority to the states, with EPA oversight, to implement the CWA as partners. This framework has resulted in significant water quality improvements since the law's enactment in 1972. Western states protect water quality in coordination with water allocation decisions.

The CWA was not intended and should not be applied to supersede state water law, and this

report should not be used to support expansion of the CWA beyond its traditional scope and boundaries. The states have sufficient authority to balance and protect the quality and quantity of waters within their borders. Waters outside federal jurisdiction and the authority of the CWA are still subject to regulation and protection by states.

The states are best positioned to manage and protect the quality and quantity of water within their borders because of their on-the-ground knowledge of the unique aspects of their hydrology, geology, and legal frameworks. States can also directly address the issue of protecting instream flows as a beneficial, designated use under their laws, and have done so in many circumstances.

The report notes that it was developed by EPA and USGS in response to evidence that flow alteration may adversely affect the biological integrity of water bodies throughout the United States. While this can be true in some instances, the report fails to recognize that in the West, in many cases, flow alteration has created environmental benefits with effluent dominated streams, diversions, runoff and recharge that provide late summer and fall baseflows, perennial streams that were once ephemeral and would otherwise be dry, as well as wetlands, springs and seeps where there were none before.

The report asserts that quantifying flow targets and addressing flow conditions by using water quality standards and other CWA mechanisms can contribute to a comprehensive approach to managing and protecting water quality, improving aquatic restoration efforts, maintaining designated uses, and satisfying anti-degradation efforts. The report notes that efforts to protect aquatic life from flow alteration will be most effective where numeric targets are identified. Presently, no states have identified numeric targets, and the examples given include only narrative flow criteria. Again, states have the legal authority and rightfully serve the primary role of properly balancing the legal diversion and use of water under state law with available CWA tools.

The report states that “CWA case law has affirmed that the distinction between water quantity and water quality is artificial and that sufficient water quantity may be necessary in order to protect designated uses and meet antidegradation requirements.” First of all, a report purporting to be a technical resource that was reviewed by technical experts should refrain from interpreting case law unless absolutely necessary as it introduces unnecessary risk for incorrect or incomplete interpretations. For example, court cases cited in the report may indicate that the United States Supreme Court recognizes the authority of states to impose minimum flow requirements as a condition of a §401 Certification, yet they do not necessarily indicate whether that authority arises from inherent state authority, the CWA, or a combination of both. With its references to case law and other legal matters, the report omits significant distinctions in the law, particularly court deference to states, where diversions are not considered a discharge of pollutants under the CWA.

The report asserts: (1) that protecting aquatic life from flow alteration is a “legitimate and necessary water quality consideration;” (2) that numeric flow criteria may be the most effective way to protect aquatic life and regulate flow alterations; (3) that EPA has the authority to review and approve or disapprove new or revised water quality standards under CWA §303(c), which includes determining existing and post-November 1975 beneficial uses of waters and their biologic condition, and recommendations for water quality standards (set by EPA) that the states must meet or exceed; and (4) that designating protection of aquatic life and setting numeric flow standards may only “incidentally affect individual water rights,” which EPA indicates is not prohibited by CWA §101(g).

When making such assertions, and in light of its numerous references to other statutory and case law provisions, it would be helpful for the report to cite §101(g) and §101(b) of the CWA. Doing so would provide more appropriate context and recognition that the primary and exclusive authority of each state to “allocate quantities of water within its jurisdiction shall not be superseded, abrogated, or otherwise impaired by this Act.” It would further confirm the authors’ understanding that the “Federal agencies shall cooperate with State... agencies to develop comprehensive solutions to prevent, reduce and eliminate pollution in concert with programs for managing water resources.” These provisions of §101(g) are further underscored by §101(b) of the CWA, which supports the states’ critical role in protecting water quality by stating: “It is the policy of Congress to recognize, preserve, and protect the primary responsibilities and rights of States to prevent, reduce, and eliminate pollution.”

Water quantity regulation and management are the prerogatives of states, and water rights are private property, protected under state laws, state constitutions, and the U.S. Constitution. As such, they are protected from physical takings without just compensation. This underscores the need for state authorities to determine how best to marry water rights administration and aquatic life protection given that some of the CWA mechanisms cited in the report could result in claims of physical takings. States are in the best position to protect and allow for the orderly and rational allocation and administration of their water resources through state laws and regulations.

The WSWC strongly supports the states’ inherent rights to control, develop, and distribute water, and opposes any and all efforts that would supersede, abrogate, or otherwise impair the primary authority of states over the administration, allocation, diversion, withdrawal, use and protection of water within their borders, including the responsibility of states to establish protective water quality standards. The WSWC also supports states in their efforts to find ways to benefit both water quantity and water quality. Any federal water quality strategy, policy, directive, rule, or regulation must recognize and respect state primacy and water laws, both related to water rights and water quality. The Council strongly supports the states’ mandatory authority to condition federal permitting for various purposes based on CWA Section 401.

The federal government has long recognized¹ that western states have primary authority and responsibility for the allocation, use, and protection of water resources, both groundwater and surface water, including protection of water quality, instream flows and aquatic species. Federal deference to state water law is based on sound principles for properly balancing the protection of private property rights and the collective public interest.

Thank you for the opportunity to comment.

Sincerely,

A handwritten signature in black ink, appearing to read "Patrick T. Tyrrell". The signature is fluid and cursive, with the first name being the most prominent.

Patrick T. Tyrrell, Chairman
Western States Water Council

¹ Congress has historically deferred to state law as embodied in §8 of the Reclamation Act, §10 of the Federal Power Act, §101(g) and §101(b) of the Clean Water Act, and myriad other statutes.

Message

From: Whelan, Gary (DNR) [WHELANG@michigan.gov]
Sent: 3/2/2016 2:08:06 PM
To: Behl, Betsy [Behl.Betsy@epa.gov]; rregan@fishwildlife.org; christopher@chalkboardllc.com; twillardson@swsc.utah.gov; saralarsen@swsc.utah.gov; phe@riverswork.com; jtaft@asdwa.org; Finn, Michael [Finn.Michael@epa.gov]; brown@amwa.net; aroberson@awwa.org; rpmueller1@mchsi.com; stevecrawford@wabanaki.com; ekendy@tnc.org; will.graf@tnc.org; draff@usbr.gov; aomorgan@do.usbr.gov
CC: jgkennen@usgs.gov; Gallagher, Kathryn [Gallagher.Kathryn@epa.gov]; Harper, Ashley [harper.ashley@epa.gov]
Subject: RE: EPA-USGS Draft Technical Report on Effects of Hydrologic Alteration is Open for Comment

Betsy,

I appreciate you reaching out to us to ensure we know about the comment period. I am curious why this was a strictly Federal effort without any state agency writers who have to do the actual analysis on permits and testify in water proceedings. Could you give me a bit of background on why this was done this way?

Thanks much for information and your time.

Gary

Gary Whelan
Program Manager
MI DNR Fisheries Division
Lansing, MI 48909

From: Behl, Betsy [mailto:Behl.Betsy@epa.gov]
Sent: Wednesday, March 02, 2016 9:04 AM
To: rregan@fishwildlife.org; Whelan, Gary (DNR); christopher@chalkboardllc.com; twillardson@swsc.utah.gov; saralarsen@swsc.utah.gov; phe@riverswork.com; jtaft@asdwa.org; Finn, Michael; brown@amwa.net; aroberson@awwa.org; rpmueller1@mchsi.com; stevecrawford@wabanaki.com; ekendy@tnc.org; will.graf@tnc.org; draff@usbr.gov; aomorgan@do.usbr.gov
Cc: jgkennen@usgs.gov; Gallagher, Kathryn; Harper, Ashley
Subject: EPA-USGS Draft Technical Report on Effects of Hydrologic Alteration is Open for Comment

I am pleased to announce that EPA and USGS have published a draft technical report, *Protecting Aquatic Life from Effects of Hydrologic Alteration*, for a 60-day public comment period. The report describes the relationship between hydrologic condition and water quality, and gives examples of what states have done to address flow concerns using current Clean Water Act authorities, as well as other Clean Water Act programs that could be used to support the natural flow regime and maintain aquatic life. Hydrologic alteration is a change to an aquatic system and can include an increase or decrease in water volume, seasonal pulse flow disruption, dramatic variation in water temperature, and other factors. It can have an impact on aquatic species' ability to spawn, gather nutrients from a stream system, access high-quality habitat, and more. The report provides information for states, tribes, territories, and others who are responsible for the maintenance of hydrologic flow regime to quantify flow targets for the preservation of aquatic life and habitat. The document is currently available at: <http://www.regulations.gov/#!documentDetail,D=EPA-HQ-OW-2015-0335-0002>

For more information, please contact EPA's Diana Eignor (eignor.diana@epa.gov) or contact USGS' Jonathan Kennen (jgkennen@usgs.gov).

Elizabeth (Betsy) Behl, Director

Health and Ecological Criteria Division, 4304-T
Office of Science and Technology, Office of Water
United States Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington DC 20460

phone: 202.566.0788
room 5233H

Message

From: Behl, Betsy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D17D5A871E0244869EA996A9DE657BCF-BETSY BEHL]
Sent: 7/11/2016 2:00:20 PM
To: Pat Lambert [patlambert@wswc.utah.gov]
Subject: RE: WSWC Briefing Materials for Bismarck, North Dakota Meetings - July 13-15, 2016

Thanks Pat, that is fine. I am sure that Johnathan and Diana will do well.

From: Pat Lambert [mailto:patlambert@wswc.utah.gov]
Sent: Monday, July 11, 2016 9:59 AM
To: Behl, Betsy <Behl.Betsy@epa.gov>
Subject: Re: WSWC Briefing Materials for Bismarck, North Dakota Meetings - July 13-15, 2016

Betsy, I added Diana's name to the agenda however the electronic and paper packets had already been sent out. Updated agendas will be available at the meeting. I had a good conference call with Diana and Jonathon last week about the scope of the presentation. We discussed that the WSWC had been represented on previous EPA/USGS webinar briefings on the draft report and that although a brief review of the scope and content of the report should be given, Council members will want to have some feedback and discussion on their comments and concerns outlined in their June letter to EPA. I think Diana and Jonathon will be well prepared, but it will be great to have you and Sonya Jones on the call as the questions may range to broader questions surrounding the report topic. Thanks for your help with this. Any thoughts or questions, let me know. - Pat L.

On Mon, Jul 11, 2016 at 7:31 AM, Behl, Betsy <Behl.Betsy@epa.gov> wrote:

Greetings Pat, could you please add Diana Eignor's name to the presenters at the Water Quality Committee meeting for the flow paper. Diana will do the presenting. I will be there as well.

thanks

From: Pat Lambert [mailto:patlambert@wswc.utah.gov]
Sent: Friday, July 08, 2016 4:44 PM
To: Flannery-Keith, Erin <Flannery-Keith.Erin@epa.gov>; Syed, Sharmin <Syed.Sharmin@epa.gov>; Frazer, Brian <Frazer.Brian@epa.gov>; Nagle, Deborah <Nagle.Deborah@epa.gov>; Frithsen, Jeff <Frithsen.Jeff@epa.gov>; Gilinsky, Ellen <Gilinsky.Ellen@epa.gov>; Wiedeman, Allison <Wiedeman.Allison@epa.gov>; Soscia, Marylou <Soscia.Marylou@epa.gov>; Leutner, Fred <Leutner.Fred@epa.gov>; Behl, Betsy <Behl.Betsy@epa.gov>; Wehling, Carrie <Wehling.Carrie@epa.gov>; Wendelowski, Karyn <wendelowski.karyn@epa.gov>; Goodin, John <Goodin.John@epa.gov>; Kaiser, Russell <Kaiser.Russell@epa.gov>; Borum, Denis <Borum.Denis@epa.gov>
Subject: Fwd: WSWC Briefing Materials for Bismarck, North Dakota Meetings - July 13-15, 2016

Meeting info and call in instructions attached. Thanks for your help with this meeting. - Pat L.

----- Forwarded message -----

From: **Tony Willardson** <twillardson@swsc.utah.gov>

Date: Thu, Jul 7, 2016 at 3:18 PM

Subject: WSWC Briefing Materials for Bismarck, North Dakota Meetings - July 13-15, 2016

To: Alan Reichman <alanr@atg.wa.gov>, Alice Edwards <alice.edwards@alaska.gov>, Amy Haas <Amy.Haas@state.nm.us>, Andrea Travnicek <atravnicsek@nd.gov>, Barbara Allen <barbaraallen@utah.gov>, Barry Burnell <barry.burnell@deq.idaho.gov>, Bech Bruun <bech.bruun@twdb.texas.gov>, Betty Olson <bholson@uci.edu>, Bidtah Becker <bidtahnbecker@navajonnsn.gov>, Brenda Poulsen <bpoulsen@rex-law.com>, Brent Goodrum <brent.goodrum@alaska.gov>, Buck Smith <JSMI461@ecy.wa.gov>, Burke Griggs <burke.griggs@ag.ks.gov>, Cheryl Redding <credдинг@swsc.utah.gov>, Chris Beightel <chris.beightel@kda.ks.gov>, Chris Brown <chris.brown@wyo.gov>, Christian Schmidt <cschmidt2@mt.gov>, Cindy Lane <cindyl@smwd.com>, Cindy Smith <cindy.s.smith@state.or.us>, Colleen Lane <ccklane@azwater.gov>, Craig Estes <craig.estes@senate.state.tx.us>, Cristina Tejeda <cristina.tejeda@tceq.texas.gov>, Cynthia Chandley <cchandley@swlaw.com>, Dallin Jensen <djensen@parsonsbehle.com>, David Barfield <david.barfield@kda.ks.gov>, David Emme <demme@ndep.nv.gov>, David Glatt <dglatt@nd.gov>, David Schade <david.w.schade@alaska.gov>, Dick Wolfe <dick.wolfe@state.co.us>, Earl Lewis <earl.lewis@kwo.ks.gov>, Eileen Grevey Hillson <ehillson@swcp.com>, Einav Henenson <ehenenson@azwater.gov>, Eric Millis <ericmillis@utah.gov>, "Garland G. Erbele" <gerbele@nd.gov>, Gary Spackman <gary.spackman@idwr.idaho.gov>, George Mathieus <gemathieus@mt.gov>, Ginny Brannon <ginny.brannon@state.co.us>, Greg Ridgley <greg.ridgley@state.nm.us>, Hal Simpson <**Personal Email / Ex. 6**>, Harry LaBonde <harry.labonde@wyo.gov>, "J.D. Strong" <jdstrong@owrb.ok.gov>, James Eklund <james.eklund@state.co.us>, James Macy <jim.macy@nebraska.gov>, Jason King <jking@water.nv.gov>, Jay Weiner <jweiner2@mt.gov>, Jeanine Jones <jeanine.jones@water.ca.gov>, Jeanne Goodman <jeanne.goodman@state.sd.us>, Jeff Fassett <jeff.fassett@nebraska.gov>, Jennifer Verleger <jverleger@nd.gov>, Jennifer Wigal <wigal.jennifer@deq.state.or.us>, Jerry Rigby <jrigby@rex-law.com>, Jess Byrne <jess.byrne@deq.idaho.gov>, Jim Rizk <jim.rizk@tceq.texas.gov>, John Simpson <jks@idahowaters.com>, John Stulp <john.stulp@state.co.us>, John Tippets <John.Tippets@deq.idaho.gov>, John Tubbs <jtubbs@mt.gov>, John Utton <john@uttonkery.com>, Jon Niermann <jon.niermann@tceq.texas.gov>, Julie Groat <jgroat@swsc.utah.gov>, Karen Hunter <karen.hunter@kda.ks.gov>, Kent Woodmansey <kent.woodmansey@state.sd.us>, Kevin Frederick <kevin.frederick@wyo.gov>, Kristina Eckhart <kristina.eckhart@state.nm.us>, Leo Drozdoff <ldrozdoff@dcnr.nv.gov>, Lucille Quintana <lucille.v.quintana@state.nm.us>, Maia Bellon <maib461@ecy.wa.gov>, Mandi Maser <mandi.maser@nebraska.gov>, Maria O'Brien <mobrien@modrall.com>, Mark Cowin <mcowin@water.ca.gov>, Mary Schooley <mary.schooley@owrb.ok.gov>, Michelle Bushman <mbushman@swsc.utah.gov>, Mike Volesky <mvolesky@mt.gov>, Nancy Aquino <Nancy.Aquino@waterboards.ca.gov>, Norman Johnson <normanjohnson@utah.gov>, Pat Lambert <patlambert@swsc.utah.gov>, Patrick Pfaltzgraff <patrick.j.pfaltzgraff@state.co.us>, Patrick Rice <pat.rice@nebraska.gov>, Patrick Tyrrell <patrick.tyrrell@wyo.gov>, Rob Singletary <rob.singletary@owrb.ok.gov>, Robert Mace <Robert.Mace@twdb.texas.gov>, Ryan Flynn <ryan.flynn@state.nm.us>, Sara Larsen <saralarsen@swsc.utah.gov>, Shellie Chard-McClary <shellie.chard-mcclary@deq.ok.gov>, Stephen Tatum <stephen.tatum@tceq.texas.gov>, Stephen Tatum <tucker.royall@tceq.texas.gov>, Steve Pirner <steve.pirner@state.sd.us>, Steve Wolff <steve.wolff@wyo.gov>, Susan Jenkins <susan.jenkins@wyo.gov>, Susan Metzger <Susan.Metzger@kda.ks.gov>, Terrie Fields <terrie.fields@ecy.wa.gov>, Thomas Howard <thoward@waterboards.ca.gov>, Tim Davis <timdavis@mt.gov>, Todd Chenoweth <todd.chenoweth@twdb.texas.gov>, Todd Parfitt <todd.parfitt@wyo.gov>, Todd Sando <tsando@nd.gov>, Tom Blaine <tom.blaine@state.nm.us>, Tom Buschatzke <tbuschatzke@azwater.gov>, Tom Byler <thomas.m.byler@wrd.state.or.us>, Tom Livers <tlivers@mt.gov>, Tom Loranger <thomas.loranger@ecy.wa.gov>, Tom Stiles <tstiles@kdheks.gov>, Tony Willardson <twillardson@swsc.utah.gov>, Tracy Streeter <tracy.streeter@kwo.ks.gov>, Trevor Baggiore

<tb4@azdeq.gov>, Trisha Oeth <trisha.oeth@state.co.us>, Walter Baker <wbaker@utah.gov>, Weir Labatt <twlabatt@gmail.com>, William Staudenmaier <wstaudenmaier@swlaw.com>, Aaron.m.snyder@usace.army.mil
Cc: Dave Mitamura <dave@dcmpolicyconsulting.com>, "G. Edward Dickey" <gedickey@verizon.net>, "PBLANCHARD@nwpipe.com" <pblanchard@nwpipe.com>, chaunsey.chau-duong@lvvwd.com, mike.gallagher@ecy.wa.gov, cherilyn.g.plaxco@usace.army.mil, Anne Castle < **Personal Email / Ex. 6** >
"Werner, Kevin" <kevin.werner@noaa.gov>, Roger Gorke <gorke.roger@epa.gov>, "Fulkerson, Becky" <rfulkerson@usbr.gov>, Holly Propst <hpropst@westgov.org>, Troy Timmons <ttimmons@westgov.org>

Council Members, Meeting Speakers, and Others:

The briefing book for our meetings being held in Bismarck, North Dakota on July 13-15, 2016 is available for download on our [website](#), and is 25.79 MB. The minutes from our last meetings held in Manhattan, Kansas are being posted on our website (under Past Meetings) for your review.

On Wednesday morning, July 13, Council members are invited to participate in a WSWC workshop on Federal Non-Tribal Water Rights Claims. The workshop will commence Wednesday morning at 8:00 am, and conclude Wednesday morning around 11:45 a.m.

Council members and guests are invited to join our North Dakota hosts on a field trip Wednesday afternoon. Please meet in the hotel lobby at 12:45 p.m. for departure. Registration is required and is \$35 per person. We'll be visiting: Hogue Island to hear about challenges with flood mitigation projects and ESA issues; Misty Waters marina and development on the Missouri River; the Bismarck Water Treatment plant where the buried water table intake will be discussed; and the Fort Lincoln Overlook, for a description of issues regarding sedimentation, flooding, and the long-term State Water Commission study. We expect to return to the Hotel by about 5:30 p.m. Dinner is on your own.

On Thursday, the WSWC Committee meetings will be held sequentially, beginning at 8:00 a.m. with the Water Resources Committee meeting. The Executive Committee will be held over lunch at 11:30 a.m., followed by the Water Quality Committee at 1:15 p.m., and the Legal Committee at 3:30 p.m. A reception will be held at the hotel from 6:00 – 7:00 p.m, and all Council members and guests are invited to attend. We wish to express our appreciation to our reception sponsors, **Bartlett & West**.

The Water Resources, Legal, Water Quality Committee meetings, and Full Council meeting will be available via teleconference and/or webinar. **Call-in instructions and information on how to participate via webinar are attached to this email.** In the event you have difficulties connecting, please call or text Tony at [801-573-7593](tel:801-573-7593) or Michelle at [801-615-1693](tel:801-615-1693). Please send a request if you wish to participate via teleconference in the Executive Committee.

We look forward to interesting and productive meetings in Bismarck. If you have any questions regarding these matters, please let us know.

Attachment

--

Patrick M. Lambert, Hydrologist, U.S. Geological Survey

WestFAST Liaison

Western States Water Council

5296 Commerce Drive, Suite 202

Murray, UT 84107

Phone: 801 685-2555

Cell: **Personal Phone / Ex. 6**

Fax: 801 685-2559

email: patlambert@wswc.utah.gov

--

Patrick M. Lambert, Hydrologist, U.S. Geological Survey

WestFAST Liaison

Western States Water Council

5296 Commerce Drive, Suite 202

Murray, UT 84107

Phone: 801 685-2555

Cell: **Personal Phone / Ex. 6**

Fax: 801 685-2559

email: patlambert@wswc.utah.gov

Message

From: Behl, Betsy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D17D5A871E0244869EA996A9DE657BCF-BETSY BEHL]
Sent: 7/11/2016 1:31:49 PM
To: Pat Lambert [patlambert@wswc.utah.gov]
Subject: RE: WSWC Briefing Materials for Bismarck, North Dakota Meetings - July 13-15, 2016

Greetings Pat, could you please add Diana Eignor's name to the presenters at the Water Quality Committee meeting for the flow paper. Diana will do the presenting. I will be there as well.

thanks

From: Pat Lambert [mailto:patlambert@wswc.utah.gov]

Sent: Friday, July 08, 2016 4:44 PM

To: Flannery-Keith, Erin <Flannery-Keith.Erin@epa.gov>; Syed, Sharmin <Syed.Sharmin@epa.gov>; Frazer, Brian <Frazer.Brian@epa.gov>; Nagle, Deborah <Nagle.Deborah@epa.gov>; Frithsen, Jeff <Frithsen.Jeff@epa.gov>; Gilinsky, Ellen <Gilinsky.Ellen@epa.gov>; Wiedeman, Allison <Wiedeman.Allison@epa.gov>; Soscia, Marylou <Soscia.Marylou@epa.gov>; Leutner, Fred <Leutner.Fred@epa.gov>; Behl, Betsy <Behl.Betsy@epa.gov>; Wehling, Carrie <Wehling.Carrie@epa.gov>; Wendelowski, Karyn <wendelowski.karyn@epa.gov>; Goodin, John <Goodin.John@epa.gov>; Kaiser, Russell <Kaiser.Russell@epa.gov>; Borum, Denis <Borum.Denis@epa.gov>
Subject: Fwd: WSWC Briefing Materials for Bismarck, North Dakota Meetings - July 13-15, 2016

Meeting info and call in instructions attached. Thanks for your help with this meeting. - Pat L.

----- Forwarded message -----

From: **Tony Willardson** <twillardson@wswc.utah.gov>

Date: Thu, Jul 7, 2016 at 3:18 PM

Subject: WSWC Briefing Materials for Bismarck, North Dakota Meetings - July 13-15, 2016

To: Alan Reichman <alanr@atg.wa.gov>, Alice Edwards <alice.edwards@alaska.gov>, Amy Haas <Amy.Haas@state.nm.us>, Andrea Travnicek <atravnicek@nd.gov>, Barbara Allen <barbaraallen@utah.gov>, Barry Burnell <barry.burnell@deq.idaho.gov>, Bech Bruun <bech.bruun@twdb.texas.gov>, Betty Olson <bholson@uci.edu>, Bidtah Becker <bidtahnbecker@navajo-nsn.gov>, Brenda Poulsen <bpoulsen@rex-law.com>, Brent Goodrum <brent.goodrum@alaska.gov>, Buck Smith <JSMI461@ecy.wa.gov>, Burke Griggs <burke.griggs@ag.ks.gov>, Cheryl Redding <credning@wswc.utah.gov>, Chris Beightel <chris.beightel@kda.ks.gov>, Chris Brown <chris.brown@wyo.gov>, Christian Schmidt <cschmidt2@mt.gov>, Cindy Lane <cindyl@smwd.com>, Cindy Smith <cindy.s.smith@state.or.us>, Colleen Lane <ccklane@azwater.gov>, Craig Estes <craig.estes@senate.state.tx.us>, Cristina Tejeda <cristina.tejeda@tceq.texas.gov>, Cynthia Chandley <cchandley@swlaw.com>, Dallin Jensen <djensen@parsonsbehle.com>, David Barfield <david.barfield@kda.ks.gov>, David Emme <demme@ndep.nv.gov>, David Glatt <dglatt@nd.gov>, David Schade <david.w.schade@alaska.gov>, Dick Wolfe <dick.wolfe@state.co.us>, Earl Lewis <earl.lewis@kwo.ks.gov>, Eileen Grevey Hillson <ehillson@swcp.com>, Einav Henenson <ehenenson@azwater.gov>, Eric Millis <ericmillis@utah.gov>, "Garland G. Erbele" <gerbele@nd.gov>, Gary Spackman <gary.spackman@idwr.idaho.gov>, George Mathieus <gemathieus@mt.gov>, Ginny Brannon <ginny.brannon@state.co.us>, Greg Ridgley <greg.ridgley@state.nm.us>, Hal Simpson **Personal Email / Ex. 6**, Harry LaBonde <harry.labonde@wyo.gov>, "J.D. Strong" <jdstrong@owrb.ok.gov>, James Eklund <james eklund@state.co.us>, James Macy <jim.macy@nebraska.gov>, Jason King <jking@water.nv.gov>, Jay Weiner <jweiner2@mt.gov>, Jeanine Jones <jeanine.jones@water.ca.gov>, Jeanne Goodman <jeanne.goodman@state.sd.us>, Jeff Fassett <jeff.fassett@nebraska.gov>, Jennifer Verleger <jverleger@nd.gov>, Jennifer Wigal <wigal.jennifer@deq.state.or.us>, Jerry Rigby <jrigby@rex-law.com>, Jess Byrne <jess.byrne@deq.idaho.gov>, Jim Rizk <jim.rizk@tceq.texas.gov>, John Simpson

<jks@idahowaters.com>, John Stulp <john.stulp@state.co.us>, John Tippets <John.Tippets@deq.idaho.gov>, John Tubbs <jtubbs@mt.gov>, John Utton <john@uttonkery.com>, Jon Niermann <jon.niermann@tceq.texas.gov>, Julie Groat <jgroat@wswc.utah.gov>, Karen Hunter <karen.hunter@kda.ks.gov>, Kent Woodmansey <kent.woodmansey@state.sd.us>, Kevin Frederick <kevin.frederick@wyo.gov>, Kristina Eckhart <kristina.eckhart@state.nm.us>, Leo Drozdoff <ldrozdoff@dcnr.nv.gov>, Lucille Quintana <lucille.v.quintana@state.nm.us>, Maia Bellon <maib461@ecy.wa.gov>, Mandi Maser <mandi.maser@nebraska.gov>, Maria O'Brien <mobrien@modrall.com>, Mark Cowin <mcowin@water.ca.gov>, Mary Schooley <mary.schooley@owrb.ok.gov>, Michelle Bushman <mbushman@wswc.utah.gov>, Mike Volesky <mvolesky@mt.gov>, Nancy Aquino <Nancy.Aquino@waterboards.ca.gov>, Norman Johnson <normanjohnson@utah.gov>, Pat Lambert <patlambert@wswc.utah.gov>, Patrick Pfaltzgraff <patrick.j.pfaltzgraff@state.co.us>, Patrick Rice <pat.rice@nebraska.gov>, Patrick Tyrrell <patrick.tyrrell@wyo.gov>, Rob Singletary <rob.singletary@owrb.ok.gov>, Robert Mace <Robert.Mace@twdb.texas.gov>, Ryan Flynn <ryan.flynn@state.nm.us>, Sara Larsen <saralarsen@wswc.utah.gov>, Shellie Chard-McClary <shellie.chard-mcclary@deq.ok.gov>, Stephen Tatum <stephen.tatum@tceq.texas.gov>, Stephen Tatum <tucker.royall@tceq.texas.gov>, Steve Pirner <steve.pirner@state.sd.us>, Steve Wolff <steve.wolff@wyo.gov>, Susan Jenkins <susan.jenkins@wyo.gov>, Susan Metzger <Susan.Metzger@kda.ks.gov>, Terrie Fields <terrie.fields@ecy.wa.gov>, Thomas Howard <thoward@waterboards.ca.gov>, Tim Davis <timdavis@mt.gov>, Todd Chenoweth <todd.chenoweth@twdb.texas.gov>, Todd Parfitt <todd.parfitt@wyo.gov>, Todd Sando <tsando@nd.gov>, Tom Blaine <tom.blaine@state.nm.us>, Tom Buschatzke <tbuschatzke@azwater.gov>, Tom Byler <thomas.m.byler@wr.d.state.or.us>, Tom Livers <tlivers@mt.gov>, Tom Loranger <thomas.loranger@ecy.wa.gov>, Tom Stiles <tstiles@kdheks.gov>, Tony Willardson <twillardson@wswc.utah.gov>, Tracy Streeter <tracy.streeter@kwo.ks.gov>, Trevor Baggione <tb4@azdeq.gov>, Trisha Oeth <trisha.oeth@state.co.us>, Walter Baker <wbaker@utah.gov>, Weir Labatt <twlabatt@gmail.com>, William Staudenmaier <wstaudenmaier@swlaw.com>, Aaron.m.snyder@usace.army.mil

Cc: Dave Mitamura <dave@dcmpolicyconsulting.com>, "G. Edward Dickey" <gedickey@verizon.net>, "PBLANCHARD@nwpipe.com" <pblanchard@nwpipe.com>, chaunsey.chau-duong@lvvwd.com, mike.gallagher@ecy.wa.gov, cherilyn.g.plaxco@usace.army.mil, Anne Castle <Personal Email / Ex. 6>, "Werner, Kevin" <kevin.werner@noaa.gov>, Roger Gorke <gorke.roger@epa.gov>, "Fulkerson, Becky" <rfulkerson@usbr.gov>, Holly Propst <hpropst@westgov.org>, Troy Timmons <ttimmons@westgov.org>

Council Members, Meeting Speakers, and Others:

The briefing book for our meetings being held in Bismarck, North Dakota on July 13-15, 2016 is available for download on our [website](#), and is 25.79 MB. The minutes from our last meetings held in Manhattan, Kansas are being posted on our website (under Past Meetings) for your review.

On Wednesday morning, July 13, Council members are invited to participate in a WSWC workshop on Federal Non-Tribal Water Rights Claims. The workshop will commence Wednesday morning at 8:00 am, and conclude Wednesday morning around 11:45 a.m.

Council members and guests are invited to join our North Dakota hosts on a field trip Wednesday afternoon. Please meet in the hotel lobby at 12:45 p.m. for departure. Registration is required and is \$35 per person. We'll be visiting: Hogue Island to hear about challenges with flood mitigation projects and ESA issues; Misty Waters marina and development on the Missouri River; the Bismarck Water Treatment plant where the buried water table intake will be discussed; and the Fort Lincoln Overlook, for a description of issues regarding sedimentation, flooding, and the long-term State Water Commission study. We expect to return to the Hotel by about 5:30 p.m. Dinner is on your own.

On Thursday, the WSWC Committee meetings will be held sequentially, beginning at 8:00 a.m. with the Water Resources Committee meeting. The Executive Committee will be held over lunch at 11:30 a.m., followed by the Water Quality Committee at 1:15 p.m., and the Legal Committee at 3:30 p.m. A reception will be held at the hotel from 6:00 – 7:00 p.m., and all Council members and guests are invited to attend. We wish to express our appreciation to our reception sponsors, **Bartlett & West**.

The Water Resources, Legal, Water Quality Committee meetings, and Full Council meeting will be available via teleconference and/or webinar. **Call-in instructions and information on how to participate via webinar are attached to this email.** In the event you have difficulties connecting, please call or text Tony at 801-573-7593 or Michelle at 801-615-1693. Please *send a request if you wish to participate via teleconference in the Executive Committee.*

We look forward to interesting and productive meetings in Bismarck. If you have any questions regarding these matters, please let us know.

Attachment

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Patrick M. Lambert, Hydrologist, U.S. Geological Survey
WestFAST Liaison
Western States Water Council
5296 Commerce Drive, Suite 202
Murray, UT 84107
Phone: 801 685-2555
Cell: Personal Phone / Ex. 6
Fax: 801 685-2559
email: patlambert@wswc.utah.gov

Message

From: Behl, Betsy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D17D5A871E0244869EA996A9DE657BCF-BETSY BEHL]
Sent: 7/7/2016 5:40:35 PM
To: Pat Lambert [patlambert@wswc.utah.gov]; Sonya Jones [sajones@usgs.gov]; jgkennen@usgs.gov; Eignor, Diana [Eignor.Diana@epa.gov]
CC: Gorke, Roger [Gorke.Roger@epa.gov]; Gallagher, Kathryn [Gallagher.Kathryn@epa.gov]
Subject: RE: EPA/USGS briefing to Western States Water Council - July 14

Pat, we are set for the briefing. Diana Eignor will be doing the briefing, so please invite her and copy me and Kathryn.

Betsy

From: Pat Lambert [mailto:patlambert@wswc.utah.gov]
Sent: Thursday, July 07, 2016 12:10 PM
To: Behl, Betsy <Behl.Betsy@epa.gov>; Sonya Jones <sajones@usgs.gov>; jgkennen@usgs.gov
Cc: Gorke, Roger <Gorke.Roger@epa.gov>
Subject: EPA/USGS briefing to Western States Water Council - July 14

Betsy, Sonya, and Jonathan - Checking in to see if we are still set for the briefing to the Western States Water Council during the summer meetings next week in Bismark (Thursday afternoon - July 14 - Water Quality Committee meeting) on the "Draft EPA/USGS Technical Report: Protecting Aquatic Life from Effects of Hydrologic Alteration".

I have attached the meeting agenda and will be getting the webex link information out shortly. I was thinking that we might want to have a brief coordination call to discuss the expected scope of the this briefing and make sure everybody is ok with the remote call in, slides etc. If you think that is appropriate, let me know and we can set something up for tomorrow or early next week. I have also attached the WSWC comments on the draft report which they would hope would be addressed as appropriate during the briefing.

Other meeting information - schedules and agendas - can be found on the [WSWC web page](#).

- Pat L.

--

Patrick M. Lambert, Hydrologist, U.S. Geological Survey
WestFAST Liaison
Western States Water Council
5296 Commerce Drive, Suite 202
Murray, UT 84107
Phone: 801 685-2555
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Message

From: Behl, Betsy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D17D5A871E0244869EA996A9DE657BCF-BETSY BEHL]
Sent: 4/27/2016 10:29:43 PM
To: ahausman@asafishing.org; a-michelsen@tam.u.edu; aomorgan@do.usbr.gov; aroberson@awwa.org; bjames@ducks.org; brown@amwa.net; ccarlson@fs.fed.us; christopher@chalkboardllc.com; christyl@environmentamerica.org; [Personal Email / Ex. 6]; CLORD@NPCA.ORG; craig.zamuda@hq.doe.gov; credding@wswc.utah.gov; cyn@healthygulf.org; dalal.aboulhosn@sierraclub.org; dave.kreamer@unlv.edu; david.l.toll@nasa.gov; Davidberry@aol.com; dfuller@pgst.nsn.us; dmason@asdwa.org; dnomsen@pheasantsforever.org; Donald.Cline@noaa.gov; DRaff@usbr.gov; dwunsch@udel.edu; eevenson@usgs.gov; ekendy@tnc.org; emcclellan@environmentaldefense.org; [Personal Email / Ex. 6] Finn, Michael [Finn.Michael@epa.gov]; gchan@mw2h2o.com; gkillam@rivernetwork.org; glowe@usgs.gov; gmullins@trcp.org; goldmancarterj@nwf.org; grobertson@asafishing.org; gtaylor@fishwildlife.org; info@sustainableagriculture.net; j.rolf.olsen@usace.army.mil; Jason.Persinger@mdc.mo.gov; jdevine@nrdc.org; JHague@trcp.org; jkiang@usgs.gov; jodefey@americanrivers.org; John_Dossett@ncai.org; Jose_Aguto@NCAI.org; jtaft@asdwa.org; juricich@water.ca.gov; kbaer@rivernetwork.org; kbarnes@nass.usda.gov; keith@theoec.org; ken@awra.org; larguelles@fergusonfoundation.org; laura@wildlife.org; lschapker@ngwa.org; lszeptycki@tu.org; mbushman@wswc.utah.gov; Mike_J_Higgins@fws.gov; mmartens@watersystemscouncil.org; msdalton@usgs.gov; Muse.Mike@epamail.epa.gov; Noel.Gollehon@wdc.usda.gov; patlambert@wswc.utah.gov; phe@riverswork.com; piper@environmentamerica.org; rconn@amigosbravos.org; reed@superlawgroup.com; renee@tcwn.org; Robert.A.Pietrowsky@usace.army.mil; [Personal Email / Ex. 6] rpmueller1@mchsi.com; rregan@fishwildlife.org; sajones@usgs.gov; saralarsen@wswc.utah.gov; SCHAIBLE@ers.usda.gov; sfleischli@nrdc.org; sfriedman@environmentaldefense.org; shelley@environmentamerica.org; sibbing@nwf.org; skline@trcp.org; skovarovics@iwa.org; smoyer@tu.org; ssutherland@ducks.org; stevecrawford@wabanaki.com; tbowen@fergusonfoundation.org; tfranklin@trcp.org; twillardson@wswc.utah.gov; [Personal Email / Ex. 6] wcooke@citizenscampaign.org; WHELANG@michigan.gov; will.graf@tnc.org; Wilson, Elaine [Wilson.Elaine@epa.gov]
CC: Harper, Ashley [harper.ashley@epa.gov]
Subject: Webinar: EPA-USGS Draft Technical Report: Protecting Aquatic Life from Effects of Hydrologic Alteration

On Tuesday, May 12, 2016, from 2-3 pm, the US Environmental Protection Agency and US Geological Survey will host a webinar that presents the content, purpose and scope of a Draft Technical Report: *Protecting Aquatic Life from Effects of Hydrologic Alteration*. The report describes the relationship between hydrologic condition and water quality, and gives examples of what states have done to address flow concerns using current Clean Water Act authorities. The report also provides a flexible, nonprescriptive, conceptual framework for states, tribes, territories, and others who may want to translate narrative flow criteria into quantifiable flow targets for the preservation of aquatic life and habitat. To participate in the hour-long webinar go to <https://epawebconferencing.acms.com/epa-usgs/> on May 12, 2016 at 2:00pm EST. No registration is necessary.

Webinar: EPA-USGS Draft Technical Report: Protecting Aquatic Life from Effects of Hydrologic Alteration
May 12, 2016, 2:00-3:00 EST
<https://epawebconferencing.acms.com/epa-usgs/>
Point of Contact Ashley Harper harper.ashley@epa.gov

Elizabeth (Betsy) Behl, Director
Health and Ecological Criteria Division,
Office of Science and Technology, Office of Water
United States Environmental Protection Agency

Message

From: Behl, Betsy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D17D5A871E0244869EA996A9DE657BCF-BETSY BEHL]
Sent: 12/15/2016 5:21:52 PM
To: twillardson@wswc.utah.gov
Subject: Final EPA-USGS Technical Report: Protecting Aquatic Life from Effects of Hydrologic Alteration

Greetings Mr. Willardson,

As a follow up to our phone conversation yesterday, I am pleased to announce that today EPA and the U.S. Geological Survey (USGS) released a report providing scientific and technical information related to protection of aquatic life from effects of hydrologic alteration. This report presents a literature review of natural flow and a description of the potential effects of flow alteration on aquatic life, as well as examples of water quality criteria that some states have developed to support natural flow and maintain healthy aquatic life. The report also describes a flexible technical and scientific framework that state water managers can consider if they are interested in developing narrative or numeric targets for flow that are protective of aquatic life. This scientific and technical report is non-regulatory and does not affect or constrain state or tribal discretion.

Hydrologic alteration can include an increase or decrease in water volume, seasonal flow disruption, and dramatic variation in water temperature. Hydrologic alteration can affect aquatic species' ability to spawn, gather nutrients from the stream system, access high-quality habitat, and more. Hydrologic alteration may be further exacerbated through climate change. Recent climate trends have included the change in frequency and duration of extreme weather events, such as droughts and floods, which can have an impact on flow and affect aquatic life. Maintaining flow targets may help increase a stream's resilience to climate change by reducing or avoiding intensification of existing stressors.

For more information about the report please contact EPA's Diana Eignor by email at eignor.diana@epa.gov; or contact USGS' Jonathan Kennen by email at jgkennen@usgs.gov and view the document at: <https://www.epa.gov/wqc/aquatic-life-ambient-water-quality-criteria>

Best, Betsy

Elizabeth (Betsy) Behl, Director
Health and Ecological Criteria Division, 4304-T
Office of Science and Technology, Office of Water
United States Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington DC 20460

phone: 202.566.0788
room 5233H

Message

From: Behl, Betsy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D17D5A871E0244869EA996A9DE657BCF-BETSY BEHL]
Sent: 12/15/2016 5:11:00 PM
To: ahausman@asafishing.org; a-michelsen@tamu.edu; aomorgan@do.usbr.gov; bjamex@ducks.org; brown@amwa.net; ccarlson@fs.fed.us; christopher@chalkboardllc.com; christyl@environmentamerica.org; cisber@msn.com; CLORD@NPCA.ORG; craig.zamuda@hq.doe.gov; creding@swsc.utah.gov; cyn@healthygulf.org; dalal.aboulhosn@sierraclub.org; dave.kreamer@unlv.edu; david.l.toll@nasa.gov; [Personal Email / Ex. 6] dfuller@pgst.nsn.us; dmason@asdwa.org; dnomsen@pheasantsforever.org; Donald.Uline@noaa.gov; DRaff@usbr.gov; dwunsch@udel.edu; eevenson@usgs.gov; ekendy@tnc.org; emcclellan@environmentaldefense.org; [Personal Email / Ex. 6] Finn, Michael [Finn.Michael@epa.gov]; gchan@mdwh2o.com; gkillam@rivernet.org; glrowe@usgs.gov; gmullins@trcp.org; goldmancarterj@nwf.org; grobertson@asafishing.org; gtaylor@fishwildlife.org; info@sustainableagriculture.net; j.rolf.olsen@usace.army.mil; Jason.Persinger@mdc.mo.gov; jdevine@nrdc.org; JHague@trcp.org; jkiang@usgs.gov; jodefey@americanrivers.org; John_Dossett@ncai.org; Jose_Aguto@NCAI.org; jtaft@asdwa.org; juricich@water.ca.gov; kbaer@rivernet.org; kbarnes@nass.usda.gov; keith@theoec.org; ken@awra.org; larguelles@fergusonfoundation.org; laura@wildlife.org; lschapker@ngwa.org; lszeptycki@tu.org; mbushman@swsc.utah.gov; Mike_J_Higgins@fws.gov; mmartens@watersystemscouncil.org; msdalton@usgs.gov; Muse.Mike@epamail.epa.gov; Noel.Gollehon@wdc.usda.gov; patlambert@swsc.utah.gov; phe@riverswork.com; piper@environmentamerica.org; rconn@amigosbravos.org; reed@superlawgroup.com; renee@tcwn.org; Robert.A.Pietrowsky@usace.army.mil; [Personal Email / Ex. 6] regan@fishwildlife.org; sajones@usgs.gov; saralarsen@swsc.utah.gov; SCHAIBLE@usace.army.mil; siresstian@nrdc.org; sfriedman@environmentaldefense.org; shelley@environmentamerica.org; sibbing@nwf.org; skline@trcp.org; skovarovics@iwla.org; smoyer@tu.org; ssutherland@ducks.org; Steve Via [svia@awwa.org]; stevecrawford@wabanaki.com; tbowen@fergusonfoundation.org; tfranklin@trcp.org; twillardson@swsc.utah.gov; valerie508@aol.com; wcooke@citizenscampaign.org; WHELANG@michigan.gov; will.graf@tnc.org; Wilson, Elaine [Wilson.Elaine@epa.gov]
Subject: Final EPA-USGS Technical Report: Protecting Aquatic Life from Effects of Hydrologic Alteration

I am pleased to announce that today EPA and the U.S. Geological Survey (USGS) released a report providing scientific and technical information related to protection of aquatic life from effects of hydrologic alteration. This report presents a literature review of natural flow and a description of the potential effects of flow alteration on aquatic life, as well as examples of water quality criteria that some states have developed to support natural flow and maintain healthy aquatic life. The report also describes a flexible technical and scientific framework that state water managers can consider if they are interested in developing narrative or numeric targets for flow that are protective of aquatic life. This scientific and technical report is non-regulatory and does not affect or constrain state or tribal discretion.

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For more information about the report please contact EPA's Diana Eignor by email at eignor.diana@epa.gov; or contact USGS' Jonathan Kennen by email at jkennen@usgs.gov and view the document at: <https://www.epa.gov/wqc/aquatic-life-ambient-water-quality-criteria>

Best, Betsy

Elizabeth (Betsy) Behl, Director
Health and Ecological Criteria Division, 4304-T
Office of Science and Technology, Office of Water
United States Environmental Protection Agency

1200 Pennsylvania Avenue, NW
Washington DC 20460

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Message

From: Behl, Betsy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D17D5A871E0244869EA996A9DE657BCF-BETSY BEHL]
Sent: 8/31/2016 6:58:56 PM
To: Julie Groat [jgroat@wswc.utah.gov]
CC: Michelle Bushman [mbushman@wswc.utah.gov]
Subject: RE: Thank You/WSWC ND Meetings

Thanks for the nice letter Julie. It was my pleasure to participate in the Council meeting. I hope we were able to address your concerns regarding the informational document on flow that we developed and look forward to future interactions.

Best, Betsy

From: Julie Groat [mailto:jgroat@wswc.utah.gov]
Sent: Wednesday, August 31, 2016 1:44 PM
To: Behl, Betsy <Behl.Betsy@epa.gov>
Cc: Michelle Bushman <mbushman@wswc.utah.gov>
Subject: RE: Thank You/WSWC ND Meetings

Dear Ms. Behl,

I hope this finds you doing well. Attached please find a letter on behalf of the Western States Water Council regarding your participation at our Council meetings held in Bismarck, North Dakota in July.

Please let me know if you have any questions.

Thank you,

Julie

--

Julie Groat
Administrative Assistant
Western States Water Council
682 East Vine Street, Suite 7
Murray, UT 84107
(801) 685-2555
(801) 685-2559 (fax)
jgroat@wswc.utah.gov
www.westernstateswater.org

Message

From: Behl, Betsy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D17D5A871E0244869EA996A9DE657BCF-BETSY BEHL]
Sent: 3/2/2016 2:03:56 PM
To: rregan@fishwildlife.org; whelang@michigan.gov; christopher@chalkboardllc.com; twillardson@wswc.utah.gov; saralarsen@wswc.utah.gov; phe@riverswork.com; jtaft@asdwa.org; Finn, Michael [Finn.Michael@epa.gov]; brown@amwa.net; aroberson@awwa.org; rpmueller1@mchsi.com; stevecrawford@wabanaki.com; ekendy@tnc.org; will.graf@tnc.org; draff@usbr.gov; aomorgan@do.usbr.gov
CC: jgkennan@usgs.gov; Gallagher, Kathryn [Gallagher.Kathryn@epa.gov]; Harper, Ashley [harper.ashley@epa.gov]
Subject: EPA-USGS Draft Technical Report on Effects of Hydrologic Alteration is Open for Comment

I am pleased to announce that EPA and USGS have published a draft technical report, *Protecting Aquatic Life from Effects of Hydrologic Alteration*, for a 60-day public comment period. The report describes the relationship between hydrologic condition and water quality, and gives examples of what states have done to address flow concerns using current Clean Water Act authorities, as well as other Clean Water Act programs that could be used to support the natural flow regime and maintain aquatic life. Hydrologic alteration is a change to an aquatic system and can include an increase or decrease in water volume, seasonal pulse flow disruption, dramatic variation in water temperature, and other factors. It can have an impact on aquatic species' ability to spawn, gather nutrients from a stream system, access high-quality habitat, and more. The report provides information for states, tribes, territories, and others who are responsible for the maintenance of hydrologic flow regime to quantify flow targets for the preservation of aquatic life and habitat. The document is currently available at: <http://www.regulations.gov/#!documentDetail;D=EPA-HQ-OW-2015-0335-0002>

For more information, please contact EPA's Diana Eignor (eignor.diana@epa.gov) or contact USGS' Jonathan Kennen (jgkennan@usgs.gov).

Elizabeth (Betsy) Behl, Director
Health and Ecological Criteria Division, 4304-T
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Message

From: Julie Groat [jgroat@wswc.utah.gov]
Sent: 8/31/2016 5:45:53 PM
To: Eignor, Diana [Eignor.Diana@epa.gov]
CC: Michelle Bushman [mbushman@wswc.utah.gov]
Subject: Re: Thank You/WSWC ND Meetings
Attachments: Diana Eignor Thank you Letter.pdf

Dear Ms. Eignor,

I hope this finds you doing well. Attached please find a letter on behalf of the Western States Water Council regarding your participation at our Council meetings held in Bismarck, North Dakota in July.

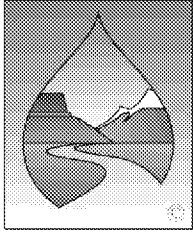
Please let me know if you have any questions.

Thank you,

Julie

--

Julie Groat
Administrative Assistant
Western States Water Council
682 East Vine Street, Suite 7
Murray, UT 84107
(801) 685-2555
(801) 685-2559 (fax)
jgroat@wswc.utah.gov
www.westernstateswater.org



WESTERN STATES WATER COUNCIL

682 East Vine Street, Suite 7 / Murray, Utah 84107 / (801) 685-2555 / FAX (801) 685-2559

Web Page: www.westernstateswater.org

August 31, 2016

Ms. Diana Eignor
Office of Science and Technology
U.S. Environmental Protection Agency
William Jefferson Clinton Building
1200 Pennsylvania Avenue NW, MC: 4304T
Washington, DC 20460

sent via email: ignor.diana@epa.gov

Dear Ms. Eignor,

I am writing on behalf of the Western States Water Council to express gratitude for your attendance and participation at our recent Water Quality Committee Meeting that was held in Bismarck, North Dakota. Your presentation on EPA-USGS's Report on Protecting Aquatic Life & Hydrologic Flow Alteration was appreciated.

We look forward to building on the relationship we have with EPA, and continuing collaboration particularly as part of WestFAST. Please do not hesitate to call on us, if there is anything we can do to assist with your important responsibilities.

Sincerely,

Michelle Bushman
Legal Counsel

Message

From: Pat Lambert [patlambert@wswc.utah.gov]
Sent: 7/14/2016 7:22:42 PM
To: Eignor, Diana [Eignor.Diana@epa.gov]
CC: Kennen, Jonathan [jgkennen@usgs.gov]
Subject: Re: Flow presentation

Who's going first? Jonathan?

On Thu, Jul 14, 2016 at 12:20 PM, Eignor, Diana <Eignor.Diana@epa.gov> wrote:

I went into conference call in number. Still not seeing you Jonathan on webex page

Diana M. Eignor
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PHONE: 202-566-1143 FAX: 202-566-1140

Courier/FEDEX Address:
US EPA
Office of Water
Office of Science and Technology
Health and Ecological Criteria Division
Room 5233L
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1301 Constitution Avenue, NW
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Cheers,

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Jonathan

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Sent: 7/14/2016 6:47:33 PM
To: Eignor, Diana [Eignor.Diana@epa.gov]
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Subject: Re: Flow presentation

Logged in via Internet Explorer.

Now I can see the slides.

JK

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From: Pat Lambert [mailto:patlambert@wswc.utah.gov]
Sent: Thursday, July 14, 2016 11:14 AM
To: Eignor, Diana <Eignor.Diana@epa.gov>
Subject: Re: Flow presentation

Let me know if you are having any problems getting in.

On Thu, Jul 14, 2016 at 7:43 AM, Eignor, Diana <Eignor.Diana@epa.gov> wrote:

Pat- I don't have the webinar connect info, People have been forwarding without attachment,

We would like to have you control the advancing of slides but want to see where we are. Thanks

Will send pdf of presentation shortly

Diana

Diana M. Eignor
USEPA/Office of Water/Office of Science and Technology
1200 Pennsylvania Ave.,N.W., MC 4304T
Washington, DC 20460
PHONE: 202-566-1143 FAX: 202-566-1140

Courier/FEDEX Address:
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Office of Water
Office of Science and Technology
Health and Ecological Criteria Division
Room 5233L
5th Floor Connecting Wing
1301 Constitution Avenue, NW
Washington, DC 20460

--

Patrick M. Lambert, Hydrologist, U.S. Geological Survey

WestFAST Liaison

682 East Vine Street, Suite 7

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Phone: 801 685-2555

Cell: Personal Phone / Ex. 6

Fax: 801 685-2559

email: patlambert@wswc.utah.gov

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Jonathan G. Kennen, Ph.D.

Ecological Water Coordinator, National Water Census

US. Geological Survey

3450 Princeton Pike, Suite 110

Lawrenceville, NJ 08648

email: jgkennen@usgs.gov

phone: (609) 771-3948

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Jonathan G. Kennen, Ph.D.

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US. Geological Survey

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Fax: 801 685-2559

email: patlambert@wswc.utah.gov

Message

From: Kennen, Jonathan [jgkenn@usgs.gov]
Sent: 7/14/2016 6:12:13 PM
To: Pat Lambert [patlambert@wswc.utah.gov]
CC: Eignor, Diana [Eignor.Diana@epa.gov]
Subject: Re: Flow presentation

Pat,

I'm logged into the the WSWC WebEx and can see Dan Baer's. When needed, Dan Baer can try to make me the presenter. If that doesn't work, you can run the powerpoint presentation from your side using the pdf that Diana sent you -- that is, you can advance the slides at your end. Which is Diana's preference anyway.

Cheers,

Jonathan

On Thu, Jul 14, 2016 at 2:04 PM, Kennen, Jonathan <jgkenn@usgs.gov> wrote:
Yes, I have a copy of the presentation as well.

Jonathan

On Thu, Jul 14, 2016 at 1:41 PM, Pat Lambert <patlambert@wswc.utah.gov> wrote:
OK, will Jonathan has separate slide set? - Pat L.

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email: jgkenn@usgs.gov
phone: (609) 771-3948

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From: Kennen, Jonathan [jgkenn@usgs.gov]
Sent: 7/14/2016 6:04:38 PM
To: Pat Lambert [patlambert@wswc.utah.gov]
CC: Eignor, Diana [Eignor.Diana@epa.gov]
Subject: Re: Flow presentation

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Message

From: Pat Lambert [patlambert@wswc.utah.gov]
Sent: 7/14/2016 5:45:58 PM
To: Eignor, Diana [Eignor.Diana@epa.gov]
Subject: Re: Flow presentation

OK, we're ready here if that happens. - Pat L.

On Thu, Jul 14, 2016 at 11:43 AM, Eignor, Diana <Eignor.Diana@epa.gov> wrote:

Thanks I can get onto the webinar page. I am just not sure if you will be able to transfer control to me without an issue.

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Message

From: Pat Lambert [patlambert@wswc.utah.gov]
Sent: 7/14/2016 5:41:50 PM
To: Eignor, Diana [Eignor.Diana@epa.gov]
CC: Kennen, Jonathan [jgkenn@usgs.gov]
Subject: Re: Flow presentation

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Fax: 801 685-2559

email: patlambert@wswc.utah.gov

Message

From: Pat Lambert [patlambert@wswc.utah.gov]
Sent: 7/14/2016 5:40:50 PM
To: Eignor, Diana [Eignor.Diana@epa.gov]
Subject: Re: Flow presentation

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Message

From: Pat Lambert [patlambert@wswc.utah.gov]
Sent: 7/14/2016 3:21:56 PM
To: Kennen, Jonathan [jgkennen@usgs.gov]; Eignor, Diana [Eignor.Diana@epa.gov]
Subject: Re: Flow presentation

Yes, we are central time.

On Thu, Jul 14, 2016 at 9:18 AM, Kennen, Jonathan <jgkennen@usgs.gov> wrote:
Pat,

Just to double check -- you are central time.... correct? So your 1:15 pm starts translates to 2:15 pm for us here in the east.

Cheers,

Jonathan

On Thu, Jul 14, 2016 at 11:08 AM, Pat Lambert <patlambert@wswc.utah.gov> wrote:
Find webinar and call info at <http://www.westernstateswater.org/wswc-summer-181st-council-meetings/>

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Message

From: Kennen, Jonathan [jgkennen@usgs.gov]
Sent: 7/7/2016 8:47:27 PM
To: Pat Lambert [patlambert@wswc.utah.gov]
CC: Sonya Jones [sajones@usgs.gov]; Eignor, Diana [Eignor.Diana@epa.gov]; Gorke, Roger [Gorke.Roger@epa.gov]; Gallagher, Kathryn [Gallagher.Kathryn@epa.gov]; Behl, Betsy [Behl.Betsy@epa.gov]
Subject: Re: EPA/USGS briefing to Western States Water Council - July 14

Hi Pat,

Anytime tomorrow morning works for me.

Jonathan

On Thu, Jul 7, 2016 at 4:43 PM, Pat Lambert <patlambert@wswc.utah.gov> wrote:

The agenda item will probably come up between 2:00-3:00... it's always hard to tell. Could you two conference with me sometime tomorrow morning? I promise it will be short. Sonya, are you planning to call in during that time also? - Pat L.

On Thu, Jul 7, 2016 at 1:31 PM, Kennen, Jonathan <jgkennen@usgs.gov> wrote:

Hi Pat,

Thanks, I think we are all set. Diana and I will tag-team the briefing on July 14. If you can provide us with a general idea of the time frame for the discussion on the EPA-USGS Report, we will be more than happy to put together a consolidated briefing ppt that fits your needs.

Best always,

Jonathan

On Thu, Jul 7, 2016 at 1:40 PM, Behl, Betsy <Behl.Betsy@epa.gov> wrote:

Pat, we are set for the briefing. Diana Eignor will be doing the briefing, so please invite her and copy me and Kathryn.

Betsy

From: Pat Lambert [mailto:patlambert@wswc.utah.gov]
Sent: Thursday, July 07, 2016 12:10 PM
To: Behl, Betsy <Behl.Betsy@epa.gov>; Sonya Jones <sajones@usgs.gov>; jgkennen@usgs.gov
Cc: Gorke, Roger <Gorke.Roger@epa.gov>
Subject: EPA/USGS briefing to Western States Water Council - July 14

Betsy, Sonya, and Jonathan - Checking in to see if we are still set for the briefing to the Western States Water Council during the summer meetings next week in Bismark (Thursday afternoon - July 14 - Water Quality Committee meeting) on the "Draft EPA/USGS Technical Report: Protecting Aquatic Life from Effects of Hydrologic Alteration".

I have attached the meeting agenda and will be getting the webex link information out shortly. I was thinking that we might want to have a brief coordination call to discuss the expected scope of the this briefing and make sure everybody is ok with the remote call in, slides etc. If you think that is appropriate, let me know and we can set something up for tomorrow or early next week. I have also attached the WSWC comments on the draft report which they would hope would be addressed as appropriate during the briefing.

Other meeting information - schedules and agendas - can be found on the WSWC web page.

- Pat L.

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Patrick M. Lambert, Hydrologist, U.S. Geological Survey

WestFAST Liaison

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Appointment

From: Martin, Jeanette [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A038832F840F40B5920D94849BF075FF-MARTIN, JEA]
Sent: 6/1/2016 5:17:18 PM
To: Southerland, Elizabeth [Southerland.Elizabeth@epa.gov]; Lee Schroer [schroer.lee@epa.gov]; Giattina, James [Giattina.Jim@epa.gov]; Curtin, James [curtin.james@epa.gov]; Drew.Bartlett@dep.state.fl.us; Fred.Aschauer@dep.state.fl.us; Hisel-Mccoy, Sara [Hisel-McCoy.Sara@epa.gov]
CC: Conerly, Octavia [Conerly.Octavia@epa.gov]; Kelly.Williams@dep.state.fl.us; Lisa Gordon (Gordon.Lisa-Perras@epa.gov) [Gordon.Lisa-Perras@epa.gov]; Wetherington, Michele [Wetherington.Michele@epa.gov]; Matthews, Ryan [Ryan.Matthews@dep.state.fl.us]; Frick, Thomas [Thomas.Frick@dep.state.fl.us]; Godfrey, Annie [godfrey.annie@epa.gov]; Morris, Kristine P. [Kristine.P.Morris@dep.state.fl.us]; Baschon, Carol [baschon.carol@epa.gov]
BCC: DCRoomWest5233B/DC-CCW-OST [DCRoomWest5233B@epa.gov]
Subject: Conference Call with Drew Bartlett on the Flow White Paper - USGS/EPA Technical Report on Hydrologic Alterations
Conf. Call-In #: [Conference Line/Code / Ex. 6] Conf. Passcode #: [Conference Line/Code / Ex. 6]
Location: DCRoomWest5233B/DC-CCW-OST
Start: 6/9/2016 1:00:00 PM
End: 6/9/2016 1:50:00 PM
Show Time As: Busy

Conf. Call-In #: [Conference Line/Code / Ex. 6] Conf. Passcode #: [Conference Line/Code / Ex. 6]

Appointment

From: Acree, Shayna [Shayna.Acree@dep.state.fl.us]
Sent: 6/9/2016 12:43:16 PM
To: Southerland, Elizabeth [Southerland.Elizabeth@epa.gov]
Subject: Accepted: Conference Call with Drew Bartlett on the Flow White Paper - USGS/EPA Technical Report on Hydrologic Alterations Conf. Call-In # Conference Line/Code / Ex. 6 Conf. Passcode # Conference Line/Code / Ex. 6
Location: DCRoomWest5233B/DC-CCW-OST
Start: 6/9/2016 1:00:00 PM
End: 6/9/2016 1:50:00 PM
Show Time As: Busy

Recurrence: (none)



Appointment

From: Morris, Kristine P. [Kristine.P.Morris@dep.state.fl.us]
Sent: 6/8/2016 4:21:32 PM
To: Southerland, Elizabeth [Southerland.Elizabeth@epa.gov]
Subject: Accepted: FW: Conference Call with Drew Bartlett on the Flow White Paper - USGS/EPA Technical Report on Hydrologic Alterations Conf. Call-In #
Location: DCRoomWest5233B/DC-CCW-OST
Start: 6/9/2016 1:00:00 PM
End: 6/9/2016 1:50:00 PM
Show Time As: Busy



Appointment

From: Frick, Thomas [Thomas.Frick@dep.state.fl.us]
Sent: 6/1/2016 9:50:43 PM
To: Southerland, Elizabeth [Southerland.Elizabeth@epa.gov]
Subject: Accepted: FW: Conference Call with Drew Bartlett on the Flow White Paper - USGS/EPA Technical Report on Hydrologic Alterations Conf. Call-In # [Conference Line/Code / Ex. 6] Conf. Passcode # [Conference Line/Code / Ex. 6]
Location: DCRoomWest5233B/DC-CCW-OST
Start: 6/9/2016 1:00:00 PM
End: 6/9/2016 1:50:00 PM
Show Time As: Busy

Recurrence: (none)

When: Jun 9, 2016 9:00:00 AM
Where: DCRoomWest5233B/DC-CCW-OST
[Dep Customer Survey] <<http://survey.dep.state.fl.us/?refemail=Thomas.Frick@dep.state.fl.us>>

Appointment

From: Williams, Kelly [Kelly.Williams@dep.state.fl.us]
Sent: 6/1/2016 5:34:15 PM
To: Southerland, Elizabeth [Southerland.Elizabeth@epa.gov]
Subject: Accepted: Conference Call with Drew Bartlett on the Flow White Paper - USGS/EPA Technical Report on Hydrologic Alterations Conf. Call-In #:
Location: DCRoomWest5233B/DC-CCW-051
Start: 6/9/2016 1:00:00 PM
End: 6/9/2016 1:50:00 PM
Show Time As: Busy
Recurrence: (none)



Appointment

From: Martin, Jeanette [Martin.Jeanette@epa.gov]
Sent: 6/1/2016 5:30:29 PM
To: Schroer, Lee [schroer.lee@epa.gov]; Southerland, Elizabeth [Southerland.Elizabeth@epa.gov]; Giattina, James [Giattina.Jim@epa.gov]; Curtin, James [curtin.james@epa.gov]; Drew.Bartlett@dep.state.fl.us; Fred.Aschauer@dep.state.fl.us
CC: Conerly, Octavia [Conerly.Octavia@epa.gov]; Kelly.Williams@dep.state.fl.us
Subject: Conference Call with Drew Bartlett on the Flow White Paper - USGS/EPA Technical Report on Hydrologic Alterations
Conf. Call-In #: Conf. Passcode #:
Location: DCRoomWest5233B/DC-CCW-UST
Start: 6/9/2016 1:00:00 PM
End: 6/9/2016 1:50:00 PM
Show Time As: Tentative

Conf. Call-In #: Conf. Passcode #:

Appointment

From: Matthews, Ryan [Ryan.Matthews@dep.state.fl.us]
Sent: 6/9/2016 12:59:57 PM
To: Southerland, Elizabeth [Southerland.Elizabeth@epa.gov]
Subject: Accepted: Conference Call with Drew Bartlett on the Flow White Paper - USGS/EPA Technical Report on Hydrologic Alterations Conf. Call-In #:
Location: DCRoomWest5233B/DC-Corridor
Start: 6/9/2016 1:00:00 PM
End: 6/9/2016 1:50:00 PM
Recurrence: (none)